



CITY OF NEW ORLEANS

"A Bump in the Road", Connecting, Correcting and Coordinating Street Repairs

Agenda

- **Introductions**
- **Capital Improvement Program**
- **Roadway System**
- **Roadway Assessment**
- **Drainage System**
- **Water Distribution System**
- **Sewer System**
- **Transportation System**
 - **Path Forward**
 - **Planning for Future Needs**
- **Roundtable Discussion - Prioritizing**
- **Discussion**



Capital Improvement Plan

Overview

- The Capital Improvement Plan (CIP) is a five-year program for expenditures by the City of New Orleans for permanent physical improvements.
- The plan identifies the physical needs of the City's agencies, estimates the costs of proposed projects, and recommends expenditures and sources of funding for priority capital improvements.
- For inclusion in the plan, capital improvements refer to major investments in infrastructure and facilities such as roads, police and fire stations, parks and recreation facilities, libraries, community centers, etc. Capital improvements are major expenditures expected to last many years (10 years minimum)
- The CIP details the sources of funding for each project - such as general obligation bonds, State capital outlay funds, or federal funds - and the amount of funding to be spent in each year.



Capital Improvement Plan

Overview

- The CIP is a tool used by city administrators and elected officials to set priorities for project development and implementation. Each year the program:
 - Identifies critical needs
 - Estimates cost for proposed projects
 - Identifies sources of funding for the next five years.
- The CIP is prepared and adopted annually by the City Planning Commission and is presented as a recommendation to the Mayor and the City Council as required under Section 5-402 of the Home Rule Charter
- The First year of the CIP forms the basis for preparation of the upcoming year's proposed capital budget.



Capital Improvement Plan Process

- In April the City's Chief Administrative Officer issues a memorandum setting forth the process and schedule for the preparation and adoption of the City's Capital Budget hearings.
- From May – June City Departments and Agencies work with the Capital Projects Administration Office to prepare capital budget request which are then submitted to City Planning Commission (CPC).
- The CPC staff then holds public hearings with each individual agency. This occurred from June 23rd to July 7th.
- The City Planning Commission host two (2) Public Hearings on the Capital Improvement Plan. The first was held on September 9 followed by the next CPC Public Hearing on September 23, 2014. To get a copy of the current plan visit <http://www.nola.gov/city-planning/capital-improvement-plan/>
- Following the meeting on September 23rd, the CPC will adopt a Capital Improvement Plan which will be presented to the Mayor on September 30, 2014
- The Mayor will then present the Executive Capital Budget to City Council on October 15th.
- City Council will adopt a 2015 Capital Budget Ordinance by Dec. 1st



Funding Sources

- General Obligation Bonds
- FEMA Reimbursements
- Federal Roadway Funds
- State Capital Outlay
- Miscellaneous Capital Funds
- Self-generated Funds



History of General Obligation Bonds

- In November of 2004 the voters approved the sale of \$260 Million of General Obligation Bonds.
- A List of potential bond-funded projects was published prior to the 2004 election
- Bond resolution prescribes amounts of funding for four purposes:
 - Streets and related infrastructure: \$162,900,000 (63%)
 - Parks and recreation facilities: \$43,545,000 (17%)
 - Libraries: \$8,100,000 (3%)
 - Other public buildings and facilities: \$45,455,000 (17%)
- The City issued the following:
 - 75 Million in 2007
 - 40 Million in 2010
 - 39.7 Million in 2013
 - 39.6 Million in 2014
- The City plans to sell the remaining \$65 Million in late 2014 or early 2015. The funds will go towards projects approved in the 2014 Adopted Capital Budget.



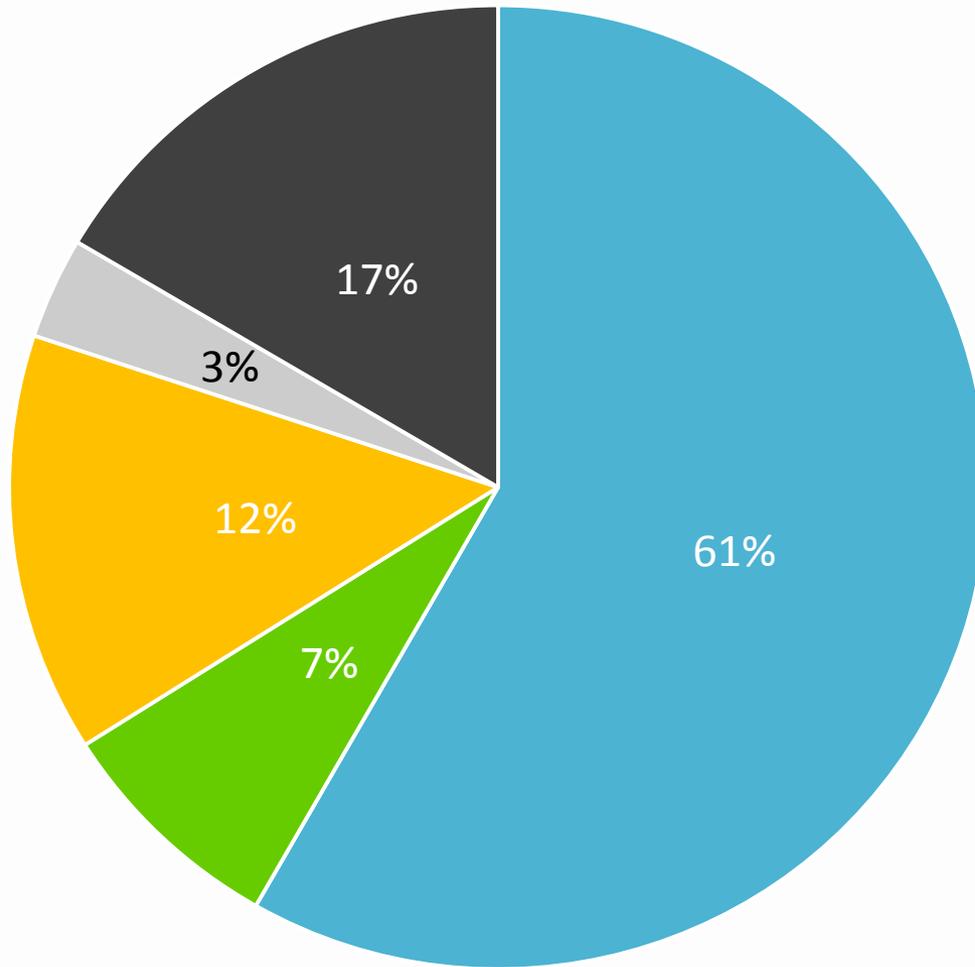
Current Capital Budget

- Total Capital Budget= \$ 1,506,370,726
- Funding Sources:
 - FEMA \$563.4 Million
 - Bonds/MCAP \$281 Million
 - D-CDBG \$172.7 Million
 - SWB (FEMA & Participant) \$169.9 Million
 - Federal Funds \$110.2 Million
 - Revolver/Anticipated FEMA \$ 72.0 Million
 - State Aid \$ 52.5 Million
 - Law Enforcement District \$ 35.7 Million
 - Other \$ 32.6 Million
 - Insurance \$ 10.5 Million
 - Grants \$ 4.4 Million
 - Donations \$ 1.3 Million





Facilities Projects Phase Breakdown



TOTAL PROJECTS

206

126

Completed Projects

14

Projects In Design

24

Under Construction

7

In Bid & Award

35

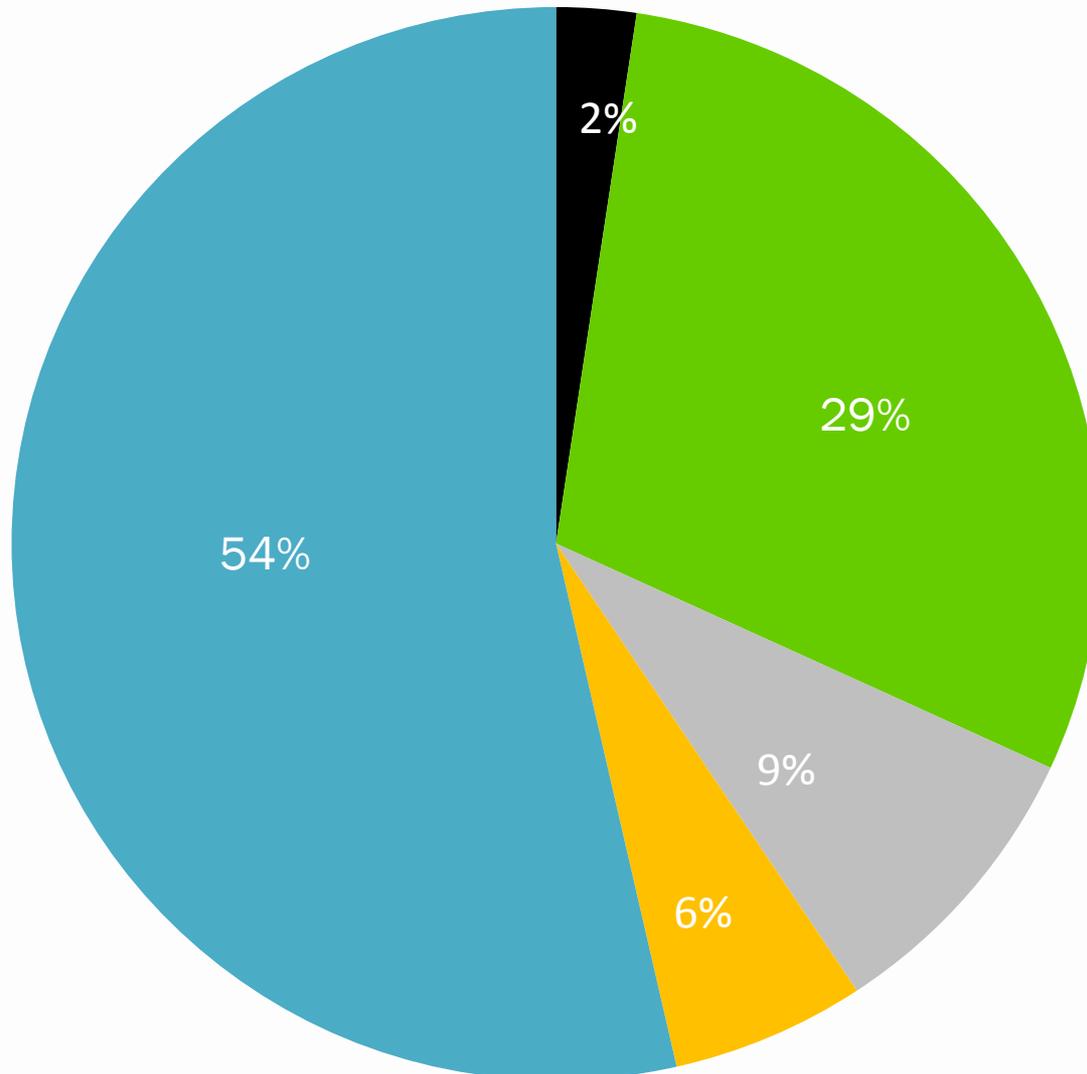
In Pre-Design

The complete project list and current project status can be found at <http://www.nola.gov/capital-projects/>



Department of Public Works

Projects by Phase



TOTAL
295 Projects

7

Pre-Design

87

Design

26

Bid & Award

17

Construction

158

Complete

The complete project list and current project status can be found at <http://www.nola.gov/capital-projects/>

How can the Community Participate?

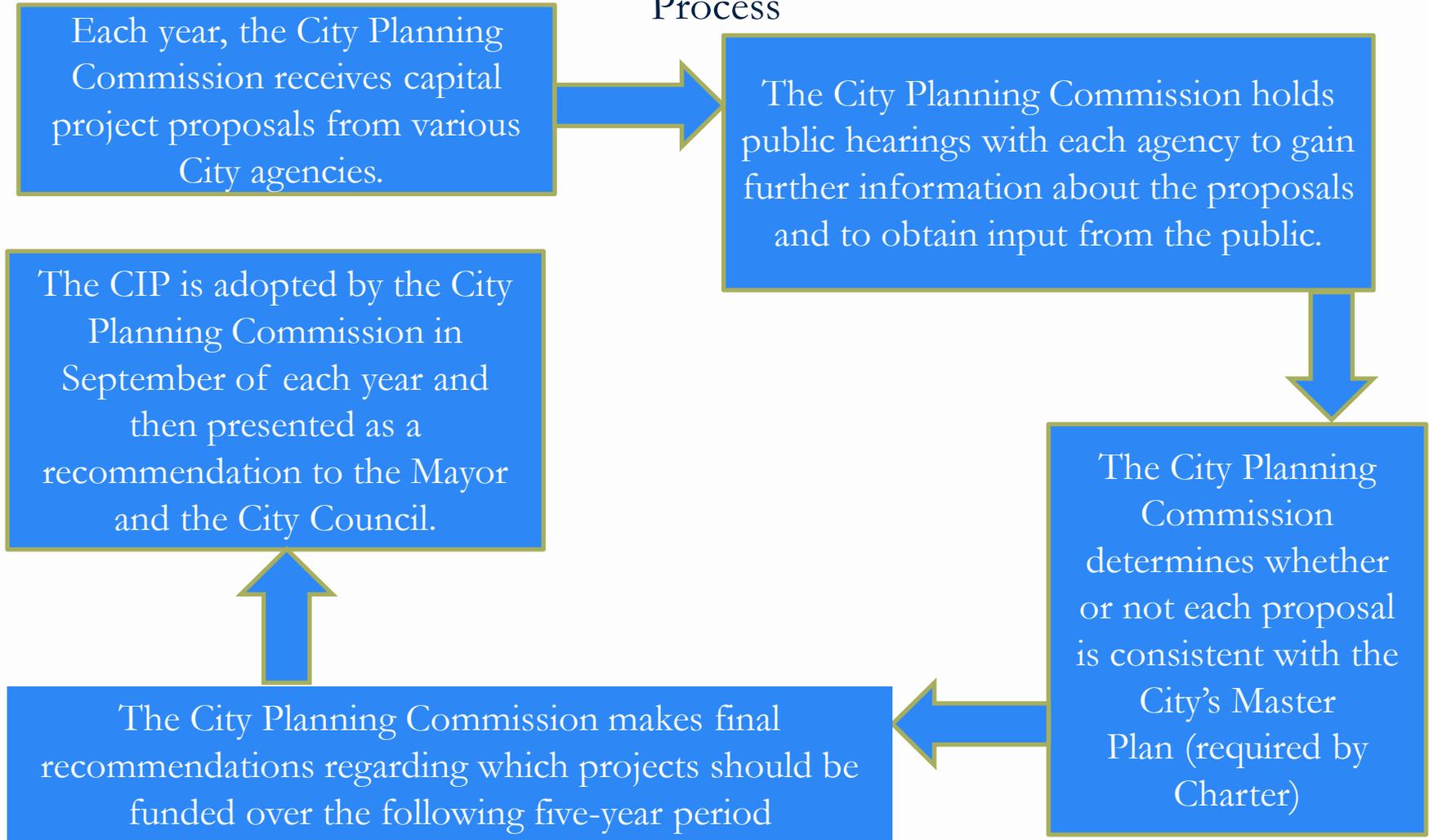
- During the Capital Improvement Planning process community leaders can attend Public Hearings with Department Heads to ask questions about proposed projects and recommend community priorities.
- During the project planning phase Neighborhood Engagement host planning meetings to solicit community input on the proposed scope of work for Bond funded projects.



In Summary

Capital Improvement Plan

Process





The Roadway System





The Roadway System

- **1,547 miles of City-owned roads**
 - **Approx. 60% of the City's roads are asphalt-topped and 40% are concrete-topped**
 - **A standard city block is 350 feet long; 1 mile = 15 blocks**
 - **Approx. 24,000 Blocks of streets in the City**
 - **Represents \$9.9B in fixed, physical City assets**
- **The standard design life of a roadway is:**
 - **20 years for asphalt pavement**
 - **30 years for concrete pavement**
- **Prior to Katrina, a typical year featured:**
 - **\$16M in roadway capital improvements using bond, FHWA, and CDBG funds;**
 - **\$2-3M in roadway maintenance using general operating funds.**



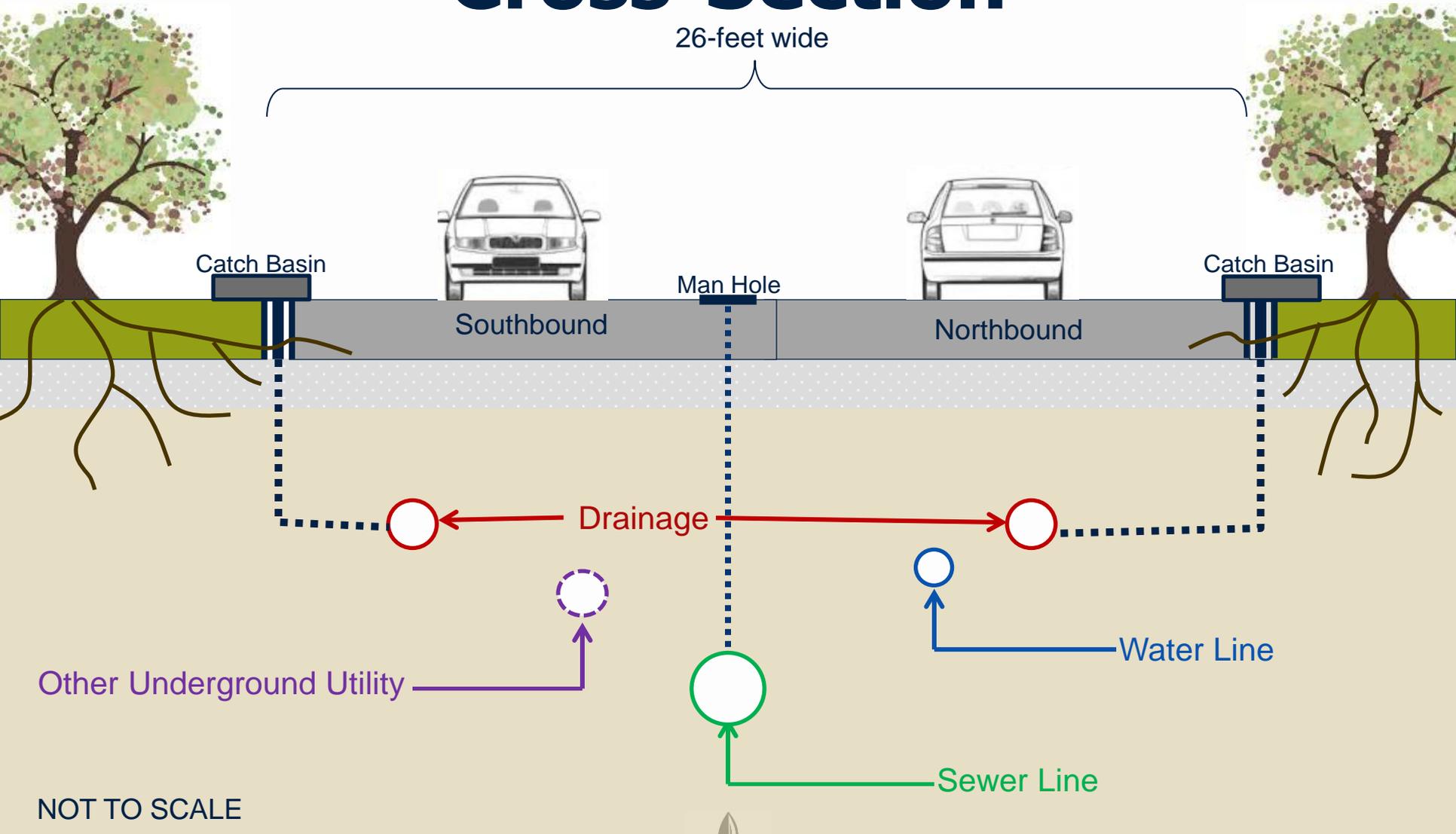


The Roadway System (Cont.)

- About 1/3 of the streets in New Orleans were in Fair or worse condition before Katrina
- Following Katrina, a typical year has featured:
 - \$34M in roadway capital improvements using bond, FHWA, FEMA, D-CDBG, and CDBG funds.
 - ✓ 14 miles of roadways repaved or reconstructed
 - \$1-2.5M in roadway maintenance using general operating funds.
 - ✓ 44,000 potholes filled
 - ✓ 3,700 catch basins cleaned
- Would require a \$3B capital investment to repair, repave, and/or reconstruct every street currently in Fair or worse condition.



Typical Street Right of Way Cross-Section



Roadway Conditions Assessment

The condition of a roadway's pavement is classified as either:

5. Excellent – Pavement is in new condition with no maintenance required.

4. Good – Pavement is in good condition with a few small, widely spaced cracks.

3. Fair – Pavement is in fair condition, with some cracking and potholes, and is beginning to show traffic wear, but is still structurally sound. Would require some patching to repair.

2. Poor – Pavement is in poor condition, with significant cracking and potholes and some rutting. Would require mill & overlay treatment and full depth patching to repair.

1. Very Poor – Pavement is in very poor condition, with significant cracking, potholes, and rutting. Would require full reconstruction to repair.

0. Failed – Pavement has disintegrated and roadway is impassible. Would require full reconstruction to repair.



Roadway Assessment

- Contract to perform a comprehensive roadway assessment is currently routing
- Scope of work includes:
 - Scientific assessment of roadway conditions
 - Van equipped with lasers, inertial GPS, high-definition digital imagery
 - Van can simultaneously collect pavement profile, rutting, surface distress, roadway geometrics, pavement imagery



Roadway Assessment

Data Collection Sensors



Downward Lines can imaging captures pavement images for distress rating



All data tagged with GPS and linear reference



Laser sensors measure longitudinal and transverse profile (IRI and Rutting)



2 HD cameras capture right-of-way images during collection



Roadway Assessment

- Assessment tentatively scheduled to begin late 2014, last 9 months
- Calculate the existing “Riding Comfort Index” using the factors below:

Item #	Asphalt Rating System <i>Distress Description</i>	Portland Rating System <i>Distress Description</i>
1	Patching (ACC)	Patching (PCC)
2	Rippling & Shoving	Scaling
3	Raveling & Streaking	Raveling (PCC)
4	Flushing & Bleeding	Polishing
5	Deformation & Distortions	Distortion, Frost Heave, Depress
6	Excessive Crown	Corner 'C' & 'D' Cracking
7	Progressive Edge Cracking	Coarse Aggregate Loss
8	Alligator Cracking	Potholes (PCC)
9	Potholes (ACC)	Joint Sealant Loss
10	Map Cracking	Linear Cracking (PCC)
11	Longitudinal Cracking	Transverse Cracking (PCC)
12	Transverse Cracks (ACC)	Joint Spalling
13	Wheel Track Rutting	Joint Faulting/Stepping



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Patching Repairs - City Park	\$250,687.19	City Park	Complete	17-May-10 A	22-Nov-10 A
St. Charles Ave (S. Carrollton - Leake) & S. Carrollton (St Charles - Leake) Roadway Rehabilitation	\$74,030.00	Audubon	Complete	17-May-10 A	10-Jun-10 A
Patching Repairs - Marlyville & Fontainebleau	\$5,561,714.45	Marlyville & Fontainebleau	Complete	14-Jun-10 A	10-Dec-10 A
Patching Repairs - Gentilly Woods	\$439,126.74	Gentilly Woods	Complete	06-Jul-10 A	10-Sep-10 A
Patching Repairs - Navarre	\$791,313.16	Navarre	Complete	23-Aug-10 A	07-Jan-11 A
Patching Repairs - Lake Terrace & Oaks	\$713,661.32	Lake Terrace and Oaks	Complete	30-Aug-10 A	15-Dec-10 A
Audubon Blvd. (Willow St - S. Claiborne Ave)	\$9,032,725.13	Audubon	Complete	18-Oct-10 A	26-Jun-12 A
Magazine St. (US 90B - Nashville)	\$3,373,617.00	Uptown	Complete	04-Jan-11 A	10-Nov-11 A
LeBoeuf (Patterson - Opelousas), Sumner (Newton - Opelousas), Slidell (Whitney - Sumner)	\$5,970,079.66	U.S. Naval Base	Complete	07-Feb-11 A	22-Dec-11 A
Napoleon-Freret Roadway Improvements (Clara St. (Napoleon - Cadiz), Jena (Clara - S. Claiborne))	\$754,537.24	Freret	Complete	11-Feb-11 A	14-Oct-11 A
Opelousas Street Extension (Behrman Avenue to O'Bannon St.)	\$2,060,363.11	Algiers Point	Complete	11-Feb-11 A	27-Jun-11 A



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Berkley Dr (Huntlee Canal - Woodland Dr)	\$8,266,148.96	Old Aurora	Complete	14-Feb-11 A	15-Mar-12 A
Urquhart St. (Elysian Fields Ave - Franklin Ave)	\$4,617,169.99	St. Roch	Complete	14-Feb-11 A	11-Nov-11 A
Gordon (Chartres - St. Claude), Flood (Peters - St. Claude)	\$7,963,993.91	Lower Ninth Ward	Complete	01-Apr-11 A	01-Jun-12 A
Holiday Dr (General Meyer Ave - MacArthur)	\$3,255,254.15	Old Aurora	Complete	01-Jun-11 A	07-Feb-12 A
S. Jeff. Davis (M. L. King Jr. - Howard)	\$2,093,866.67	Gert Town	Complete	10-Oct-11 A	30-Mar-12 A
Martin Bridge over Morrison	\$1,188,700.00	Little Woods	Complete	02-Nov-11 A	28-Jun-12 A
Holiday Dr (MacArthur - Behrman)	\$2,674,648.06	Old Aurora	Complete	15-Nov-11 A	16-Feb-12 A
Lakefront/Holy Cross Traffic Signals	\$7,067,181.21	Holy Cross	Complete	17-Jan-12 A	08-Mar-13 A
Tchoupitoulas St (Canal St - Calliope St)	\$1,893,227.84	CBD	Complete	20-Mar-12 A	30-Jun-12 A
Algiers (Traffic Signal)	\$3,395,804.37	Algiers Point/ McDonough/ Behrman	Complete	02-Apr-12 A	21-Nov-13 A
New Orleans East Streetscape Improvements (Read Blvd, Lakeforest Blvd, Crowder Rd)	\$3,000,000.00	New Orleans East	Complete	19-Apr-12 A	14-Jun-13 A
Press Drive Streetscape (Chef - Leon C Simon)	\$245,996.10	Pontchartrain Park	Complete	19-Apr-12 A	17-Dec-13 A



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
St. Anthony Path Landscape (Mirabeau - Pelopidas)	\$659,660.25	Dillard	Complete	14-May-12 A	22-Jan-13 A
Tulane Ave and Jeff. Davis Pkwy Streetscape - Baudin St, Clark, and D'hemecourt	\$139,659.30	Mid-City	Complete	14-May-12 A	11-Nov-12 A
Claiborne (South) @ Toledano (Napoleon Ave - Martin Luther King Jr.)	\$2,174,840.31	Central City	Complete	16-May-12 A	04-Dec-13 A
Lower Ninth Ward Streetscape Phase I (N. Claiborne - Andry to Lamanche)(St. Claude-Bridge to Egania)	\$1,900,000.00	Lower Ninth Ward	Complete	01-Jun-12 A	18-Nov-12 A
Lower Ninth Ward Pilot Streets - Make It Right	\$434,008.00	Lower Ninth Ward	Complete	11-Jun-12 A	24-Sep-12 A
Alvar St. (Chef Menteur - Higgins)	\$677,527.00	Desire Area	Complete	09-Jul-12 A	01-Nov-12 A
Alvar St. (Higgins - Florida)	\$677,527.00	Desire Dev	Complete	09-Jul-12 A	01-Nov-12 A
Forstall St. (Douglass St. - N. Claiborne)	\$677,527.00	Lower Ninth Ward	Complete	09-Jul-12 A	01-Nov-12 A
Tupelo St. (Douglass St. - St. Claude Ave.)	\$338,763.00	Lower Ninth Ward	Complete	09-Jul-12 A	01-Nov-12 A
Burgundy St. (Canal - Esplanade)	\$1,382,353.00	French Quarter	Complete	16-Jul-12 A	31-Dec-12 A
Dauphine St. (Canal - Esplanade)	\$1,322,195.00	French Quarter	Complete	16-Jul-12 A	31-Dec-12 A
Esplanade Ave. (N Rampart - N Peters)	\$1,602,028.00	French Quarter	Complete	16-Jul-12 A	31-Dec-12 A



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Hayne Blvd. (Press - Congress)	\$480,958.00	Pontchartrain Park	Complete	16-Jul-12 A	01-Nov-12 A
Mayo Rd. (Hayne - Morrison)	\$601,198.00	Little Woods	Complete	16-Jul-12 A	01-Nov-12 A
Morrison Rd. (Lamb - Mayo)	\$961,917.00	Little Woods	Complete	16-Jul-12 A	01-Nov-12 A
St. Louis St. (N Rampart - Dauphine)	\$311,111.00	French Quarter	Complete	16-Jul-12 A	31-Dec-12 A
Toulouse St. (N Rampart - Dauphine)	\$315,191.00	French Quarter	Complete	16-Jul-12 A	31-Dec-12 A
Decatur St. (St Louis - Dumaine)	\$599,038.00	French Quarter	Complete	23-Jul-12 A	31-Dec-12 A
N Peters St. (Canal - St Louis)	\$1,200,219.00	French Quarter	Complete	23-Jul-12 A	31-Dec-12 A
Royal St. (Canal - Esplanade)	\$1,583,942.00	French Quarter	Complete	23-Jul-12 A	31-Dec-12 A
St. Louis St. (Dauphine - Decatur)	\$449,782.00	French Quarter	Complete	23-Jul-12 A	31-Dec-12 A
Toulouse St. (Dauphine - Decatur)	\$314,017.00	French Quarter	Complete	23-Jul-12 A	31-Dec-12 A
Mayo Rd. (Morrison - I-10)	\$360,719.00	Little Woods	Complete	03-Aug-12 A	01-Nov-12 A
Broadmoor Streetscape (General Pershing from Broad St. to Miro St.)	\$501,439.00	Broadmoor	Complete	23-Aug-12 A	05-Feb-13 A
Patterson Drive Extension Phase 1 (Hendee St. to Heerman St)	\$3,464,242.49	Old Aurora	Complete	03-Dec-12 A	13-May-13 A
St. Charles Ave (Nashville Ave - S. Carrollton) Bikeway	\$30,752.70	Audubon	Complete	28-Jan-13 A	01-Feb-13 A
St. Roch/St.Claude Intersection Revitalization	\$573,005.96	St. Roch	Complete	31-Jan-13 A	18-Mar-13 A
City Park Ave. (Canal - Orleans)	\$1,244,264.00	Mid-City	Complete	04-Mar-13 A	24-Jun-13 A

DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
City Park Ave. (Canal - Orleans)	\$1,244,264.00	Mid-City	Complete	04-Mar-13 A	24-Jun-13 A
Esplanade Ave. (Moss - N. Claiborne)	\$3,019,171.00	Treme - Lafitte	Complete	04-Mar-13 A	24-Jun-13 A
Harrison Ave Streetscape (Canal St - Orleans Ave)	\$4,001,850.00	Lakeview	Complete	18-Mar-13 A	12-Feb-14 A
Edgelake Court (Crowder Rd - Hayne Blvd)	\$378,910.00	Little Woods	Complete	08-Apr-13 A	29-May-13 A
Broadway St. (Fontainebleau - Leake)	\$3,074,065.00	Audubon	Complete	17-Apr-13 A	22-Aug-13 A
Leonidas St. (Palmetto - Earhart)	\$426,936.00	Hollygrove	Complete	17-Apr-13 A	22-Aug-13 A
CostCo Infrastructure Improvements	\$3,465,599.00	Gert Town	Complete	29-Apr-13 A	03-Oct-13 A
Carrollton Ave & Palmetto / Washington Streetscapes	\$1,694,789.96	Gert Town	Complete	28-May-13 A	24-Jan-14 A
Carrollton Intersection (S. Carrollton Ave. from I-10 - Palm St.)	\$325,698.10	Gert Town	Complete	28-May-13 A	24-Jan-14 A
Gentilly Blvd. (Paris - Broad)	\$2,415,337.00	Fairgrounds	Complete	01-Jun-13 A	17-Oct-13 A
St. Bernard Ave. (N. Rampart - Sere)	\$3,940,205.00	Seventh Ward	Complete	01-Jun-13 A	17-Oct-13 A
Filmore Ave. (Marconi - Wisner)	\$512,344.00	City Park	Complete	17-Jun-13 A	19-Sep-13 A
Filmore Ave. (West End - Canal)	\$512,344.00	Lakeview	Complete	17-Jun-13 A	19-Sep-13 A
Franklin Ave. (Filmore - Gentilly)	\$1,451,625.00	Gentilly Terrace	Complete	17-Jun-13 A	19-Sep-13 A
Robert E Lee Blvd. (Elysian Fields - Franklin)	\$1,036,904.00	Milneburg	Complete	17-Jun-13 A	19-Sep-13 A



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Robert E. Lee Blvd (Perlita Dr - Chatham Dr) and Paris Ave. (Robert E. Lee - Aviators) Streetscape	\$749,995.00	Filmore	Complete	12-Aug-13 A	17-Apr-14 A
Alcee Fortier Blvd Streetscape (Chef Menteur Hwy - Michoud Lagoon)	\$500,000.00	Village de Lest	Complete	15-Aug-13 A	30-Apr-14 A
Esplanade Ave (Claiborne - N.Rampart) Bikeway	\$13,000.00	Treme - Lafitte	Complete	22-Aug-13 A	16-Jan-14 A
Girod St. (Loyola Ave - S. Peters St) Bikeway	\$7,000.00	Central Business District	Complete	22-Aug-13 A	22-Oct-13 A
Martin Luther King Blvd (Claiborne Ave - Broad St) Bikeway	\$24,850.00	B. W. Cooper	Complete	22-Aug-13 A	21-Oct-13 A
Martin Luther King Blvd (Washington - Earhart) Bikeway	\$2,402.80	Gert Town	Complete	22-Aug-13 A	17-Dec-13 A
Miro St (Elysian Fields Ave - Orleans Ave) Bikeway	\$24,450.00	Seventh Ward	Complete	22-Aug-13 A	15-Oct-13 A
Nashville Ave (Caliborne US 90 - Tchoupitoulas) Bikeway	\$14,450.00	Audubon	Complete	22-Aug-13 A	04-Nov-13 A
Navarre Ave (Canal Blvd - Marconi Dr) Bikeway	\$7,200.00	City Park	Complete	22-Aug-13 A	21-Oct-13 A
Washington (S. Broad - Carrollton Ave) Bikeway	\$36,000.00	Broadmoor	Complete	22-Aug-13 A	16-Dec-13 A



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Whitney Ave & L.B. Landry (Mardi Gras Blvd - Patterson Dr) Bikeway	\$14,000.00	Whitney	Complete	22-Aug-13 A	21-Oct-13 A
Fontainebleau Dr. (Broadway - Nashville)	\$439,152.00	Marlyville & Fontainebleau	Complete	23-Aug-13 A	06-Nov-13 A
Freret St. (Louisiana - Jefferson)	\$1,375,469.00	Freret	Complete	23-Aug-13 A	06-Nov-13 A
Nashville Ave. (S.Claiborne - Fountainbleau)	\$622,132.00	Marlyville & Fontainebleau	Complete	23-Aug-13 A	06-Nov-13 A
Gentilly Minor Streets - Caton (Gentilly Blvd. - Norman Mayer Ave.), Touro (Caton - Senate)	\$639,910.00	Dillard	Complete	16-Sep-13 A	23-Jan-14 A
Freret St Streetscape (Napoleon Ave - Jefferson Ave)	\$1,500,000.00	Freret	Complete	04-Nov-13 A	12-Mar-14 A
Banks St. (Carrollton - St. Patrick)	\$829,492.00	Mid-City	Complete	06-Nov-13 A	12-Mar-14 A
Bienville St. (Jefferson Davis - Carrollton)	\$518,478.00	Mid-City	Complete	06-Nov-13 A	28-Feb-14 A
S. Jefferson Davis Pkwy (Gravier - Canal)	\$1,036,904.00	Tulane - Gravier	Complete	06-Nov-13 A	12-Mar-14 A
Gentilly Streetscape (Caton, Gentilly, Elysian Fields)	\$700,000.00	Dillard	Complete	18-Nov-13 A	27-Jun-14 A
Basin St. (Canal - N. Claiborne)	\$1,878,613.00	Treme - Lafitte	Complete	22-Nov-13 A	03-Dec-13 A
Hurricane Isaac Repairs	\$1,042,859.17	City Wide	Complete	12-Dec-13 A	30-May-14 A



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Congress St. (Hayne - Madrid)	\$487,964.00	Pontchartrain Park	Complete	06-Jan-14 A	16-Jul-14 A
Congress St. (Madrid - Chef Menteur)	\$1,476,057.00	Pontchartrain Park and Gentilly Woods	Complete	06-Jan-14 A	16-Jul-14 A
New Orleans Museum District Enhancement	\$499,141.73	Central Business District	Complete	07-Jan-14 A	21-Aug-14 A
Robert E Lee Blvd (St. Bernard Ave- Paris Ave) Bikeway	\$13,300.00	Filmore	Complete	13-Jan-14 A	17-Jan-14 A
Broad and Washington Streetscape (S. Broad (Fourth - Louisiana) Washington (S. White - Dorgenois)	\$357,563.16	Broadmoor	Complete	10-Mar-14 A	18-Jul-14 A
Mercedes St (MacArthur - Herschel)	\$232,000.00	Behrman	Complete	08-Apr-14 A	27-Jun-14 A
Newton St (Whitney - Teche)	\$913,200.00	Whitney	Complete	08-Apr-14 A	27-Jun-14 A
Pace Blvd (Gen Meyer Ave - Wall Blvd)	\$1,305,000.00	Behrman	Complete	08-Apr-14 A	27-Jun-14 A
S. Jefferson Davis Pkwy Bridge Ramp Repairs	\$325,000.00	Gert Town	Complete	12-May-14 A	30-Jul-14 A
Drexel (Short - S. Genois)	\$232,300.75	Gert Town	Complete	27-Jun-14 A	25-Jul-14 A
Short (Washington - Palm)	\$99,961.25	Gert Town	Complete	03-Jul-14 A	25-Jul-14 A
Stroelitz (Joliet - Dublin)	\$188,324.13	Gert Town	Complete	11-Jul-14 A	31-Jul-14 A



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
S. Tonti St. (Julia - Old Poydras)	\$36,905.00	Tulane - Gravier	Complete	21-Jul-14 A	14-Aug-14 A
Vespasian Blvd. (Lauradale - Wall Blvd.)	\$176,640.75	Behrman	Complete	21-Jul-14 A	20-Aug-14 A
Georgia St. (Amazon - Gen DeGaulle)	\$35,002.00	Tall Timbers - Brechtel	Complete	29-Jul-14 A	20-Aug-14 A
Illinois St. (Gen DeGaulle - Amazon)	\$56,082.13	Tall Timbers - Brechtel	Complete	29-Jul-14 A	20-Aug-14 A
Idaho St. (Wabash - Gen DeGaulle)	\$98,583.38	Tall Timbers - Brechtel	Complete	30-Jul-14 A	20-Aug-14 A
Downtown Infrastructure Improvements (Dorsiere, Iberville, Julia St)	\$5,500,000.00	CBD	Construction	24-Jul-13 A	30-Sep-14
Lafitte Greenway Bicycle/Pedestrian Path - (N. Alexander- Basin)	\$12,772,000.00	Treme - Lafitte	Construction	20-Mar-14 A	2-May-15
Baronne St. (Canal St - Calliope St.)	\$1,392,336.00	Central Business District	Construction	24-Mar-14 A	30-Sep-14
Burgundy St. (Esplanade - Elysian Fields)	\$880,000.00	Marigny & Bywater	Construction	24-Mar-14 A	30-Sep-14
S Peters St (Canal - Calliope St)	\$1,294,920.00	CBD	Construction	24-Mar-14 A	30-Sep-14
Bayou Rd Streetscape (Broad St - Rocheblave St)	\$775,000.00	Seventh Ward	Construction	07-May-14 A	3-Oct-14
St. Bernard Ave Streetscape (N. Claiborne - North Miro St)	\$828,015.00	Seventh Ward	Construction	27-May-14 A	17-Sep-14



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Veterans Administration-LSU Medical Center Infrastructure Improvements	\$13,447,529.00	Tulane - Gravier	Construction	03-Jun-14 A	20-May-15
Downman Rd (Babylon - Odin)	\$412,500.00	Pines Village	Construction	16-Jun-14 A	16-Sep-14
North Galvez (Orleans - Elysian Fields Ave)	\$2,777,300.00	Seventh Ward	Construction	16-Jun-14 A	16-Sep-14
Galvez (Elysian Fields - Orleans Ave) Bikeway	\$0.00	Treme - Lafitte	Construction	11-Jul-14 A	31-Oct-14
Vespasian Blvd. (Wall Blvd. - Cobblestone Ln.)	\$1,997,536.70	Behrman	Construction	18-Jul-14 A	10-Oct-14
N. Robertson (Columbus - St. Bernard Ave.)	\$81,400.00	Seventh Ward	Construction	21-Jul-14 A	29-Aug-14
N. Robertson (Esplanade Ave. - Columbus)	\$109,670.00	Seventh Ward	Construction	21-Jul-14 A	29-Aug-14
N. Villiere St. (Columbus - Annette)	\$111,809.50	Seventh Ward	Construction	28-Jul-14 A	29-Aug-14
N. Villiere St. (Esplanade Ave. - Columbus)	\$84,609.25	Seventh Ward	Construction	28-Jul-14 A	29-Aug-14
Lamarque (LB Landry - Sumner)	\$207,688.25	Whitney	Construction	04-Aug-14 A	29-Aug-14
Hendee (Ptolemy - Opelousas)	\$700,655.85	Whitney	Construction	05-Aug-14 A	3-Sep-14
Laharpe St. (St. Bernard Ave - N. Claiborne)	\$77,149.88	Seventh Ward	Construction	08-Aug-14 A	29-Aug-14
Oleander St. (Short - Burdette)	\$96,955.00	Gert Town	Construction	08-Aug-14 A	13-Sep-14
Burdette St. (Oleander - Forshey)	\$31,262.50	Gert Town	Construction	11-Aug-14 A	13-Sep-14
Orpheus Ct. (S. Carrollton Ave. - Short)	\$18,570.00	Gert Town	Construction	11-Aug-14 A	15-Sep-14



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Reynes St. (St. Claude Ave. - Douglas)	\$146,037.38	Holy Cross	Construction	12-Aug-14 A	19-Sep-14
Alabo St. (Chartres - Port)	\$366,666.67	Holy Cross	Construction	18-Aug-14 A	6-Oct-14
General DeGaulle Dr (Woodland - Holiday)	\$1,508,000.00	Old Aurora	Construction	18-Aug-14 A	16-Nov-14
Newton St (Whitney - Behrman)	\$1,059,700.00	Whitney	Construction	18-Aug-14 A	16-Nov-14
Forshey (S. Carrollton Ave. - Fern)	\$55,376.25	Gert Town	Construction	25-Aug-14 A	15-Sep-14
Washington Avenue Pedestrian Crossing (Washington Ave. - Drexel Drive - Xavier)	\$3,630,676.97	Broadmoor	Construction	14-Oct-14	30-Jul-15
Sumner (Lawrence - Newton)	\$700,655.85	Behrman	Bid & Award	07-Aug-14 A	1-Sep-14
Caffin (Chartres - St. Claude Ave.)	\$366,666.67	Holy Cross	Bid & Award	29-Aug-14	14-Oct-14
Charters (Alabo - Caffin)	\$366,666.67	Holy Cross	Bid & Award	29-Aug-14	14-Oct-14
De Armas (LB Landry - Behrman)	\$700,655.85	Whitney	Bid & Award	8-Sep-14	6-Oct-14
Elmira (Park - Newton)	\$700,655.85	McDonogh	Bid & Award	8-Sep-14	6-Oct-14
ADA Access Ramps in CBD	\$382,531.70	Central Business District	Bid & Award	13-Sep-14	10-Jan-15
Magnolia Market Place Streetscape (Willow, Toledano, Claiborne)	\$110,000.00	Central City	Bid & Award	15-Sep-14	3-Oct-14
Patterson Drive Extension Phase 2 Heerman St to O'Bannon St.)	\$860,882.00	Old Aurora	Bid & Award	19-Sep-14	27-Dec-14



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Berkley Dr (Kabel Dr - Huntlee Dr), Somerset Dr (Berkley Dr - MacArthur Blvd)	\$6,309,673.00	Old Aurora	Bid & Award	22-Sep-14	20-Jul-15
Cherokee St (Hampson St - Freret St)	\$2,064,604.00	East Carrollton	Bid & Award	24-Sep-14	25-Feb-15
Hendee (Mardi Gras - Ptolemy)	\$91,525.60	Whitney	Bid & Award	13-Oct-14	31-Oct-14
Michoud Front Door Infrastructure Improvements (Old Gentilly Road from I- 510 - Chef Menteur Highway)	\$6,729,848.00	Viavant	Bid & Award	13-Oct-14	30-Jun-15
Sumner (Mardi Gras - Lawrence)	\$105,851.00	Whitney	Bid & Award	13-Oct-14	31-Oct-14
Cartier Ave (Mirabeau Ave - Filmore Ave)	\$4,441,851.56	Filmore	Bid & Award	30-Oct-14	12-Feb-15
Dr. Charles R. Drew Elementary - Safe Routes to School (K08-572) State ID 737-99- 1024	\$288,041.00	Bywater	Bid & Award	9-Nov-14	7-Jan-15
Esperanza Charter School - Safe Routes to School (K09-886) State ID 737-99-1024	\$321,074.00	Mid-City	Bid & Award	9-Nov-14	7-Jan-15
International School of LA - Safe Routes to School State ID 737-99-1024	\$280,867.00	Lower Garden District	Bid & Award	9-Nov-14	7-Jan-15
Huntlee Dr. (General DeGaulle - Berkley Dr)	\$2,279,121.50	Old Aurora	Bid & Award	11-Dec-14	14-May-15



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
N. Galvez St (Elysian Fields Ave - Almonaster Ave)	\$5,463,568.04	St. Roch	Bid & Award	22-Dec-14	6-Apr-15
St. Bernard Ave. (Filmore Ave. to Robert E. Lee Blvd.)	\$9,140,030.00	Filmore	Bid & Award	29-Dec-14	13-Apr-15
Broad St. and Lafitte St Streetscape (Bienville St - Orleans Ave)	\$638,314.00	Tulane - Gravier	Bid & Award	4-Jan-15	20-Mar-15
N. Galvez St (Tennessee St - Delery St)	\$9,325,107.44	Lower Ninth Ward	Bid & Award	7-Jan-15	22-Apr-15
Gravier St (Galvez - Broad)	\$186,888.25	Tulane - Gravier	Bid & Award	17-May-15	30-Aug-15
Homedale (Canal - West End), Center (33rd - Tacoma), Milne (Homedale - Florida), Walker (Marshal-Orl	\$260,855.00	Lakeview	Bid & Award	12-Jun-15	18-Mar-16
Michoud Blvd (Chef Menteur Blvd - Dwyer Rd)	\$221,228.20	Village de Lest	Bid & Award	20-Aug-15	3-Dec-15
Camp (Valmont - Jefferson), Chestnut/Coliseum (Valmont - Leontine), Leontine/Valmont (Mag-Prytania)	\$304,383.02	Uptown	Bid & Award	25-Oct-15	7-Feb-16
Jackson Ave (Claiborne Ave - Galvez St)	\$170,008.00	Central City	Bid & Award	24-Nov-15	8-Mar-16
Johnson St (Jefferson - Claiborne), Melodia (Claiborne - S. Johnson), Octavia (Freret - Claiborne)	\$346,480.00	Audubon	Bid & Award	30-Nov-15	29-Sep-16



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Old Spanish Trail (Nighthart St - Sherwood Dr)	\$104,316.00	Read Blvd East	Bid & Award	15-Jan-16	29-Apr-16
Vienna (Corinne - Nighthart)	\$83,560.00	Read Blvd East	Bid & Award	8-Mar-16	21-Jun-16
Wright Road (Chef Menteur Blvd - Dwyer Rd)	\$474,980.00	Read Blvd East	Bid & Award	20-Mar-16	3-Jul-16
Franklin Ave. (I-610 - LA 46) Bikeway	\$0.00	St. Claude	Design	28-Oct-14	26-Nov-14
MacArthur Blvd (Gen DeGaulle - Kabel)	\$1,312,211.73	Old Aurora	Design	15-Dec-14	19-Mar-15
Sullen Pl (Gen DeGaulle - Patterson)	\$2,595,700.00	Old Aurora	Design	15-Dec-14	19-Mar-15
Lower Ninth Ward Streetscape Phase II (N. Claiborne - Lamanche - Tennessee)	\$655,748.05	Lower Ninth Ward	Design	30-Dec-14	29-Mar-15
Fleur de Lis Phase III (30th - Hammond Hwy)	\$9,776,000.00	West End	Design	13-Jan-15	31-Jul-15
Oretha Castle Haley Blvd Streetscape (St. Andrew St. - Calliope St.)	\$968,540.30	Central City	Design	20-Jan-15	22-Sep-15
Magazine St. Phase I (Nashville Ave - Calhoun St)	\$4,776,624.00	Audubon	Design	19-Feb-15	18-Feb-16
Countdown Timers - Downtown	\$1,319,146.00	Central Business District	Design	13-Mar-15	10-Jul-15
City Park Tad Gormley Parking Lots (Marconi - Stadium Dr.)	\$157,117.00	City Park	Design	3-Apr-15	17-Jul-15



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
General Meyer Ave Streetscape (Hendee St - Odeon Ave)	\$684,906.37	Behrman	Design	21-May-15	25-Jan-16
St. Charles Ave (Calliope St - Louisiana Ave)	\$800,000.00	Central City	Design	10-Jun-15	8-Jun-16
Howard Avenue Ext. (Loyola Ave - LaSalle St)	\$1,481,951.40	CBD	Design	14-Aug-15	8-Dec-15
Lake Forest Blvd. Widening (Eastover Dr - I-510)	\$160,815.00	Read Blvd East	Design	18-Sep-15	16-Sep-16
Magazine St. Phase II (Calhoun - Leake Ave)	\$7,039,708.00	Audubon	Design	18-Sep-15	16-Sep-16
Camp St. (Louisiana Ave - Washington Ave)	\$138,314.00	Touro	Design	12-Nov-15	15-Jun-16
Bike Rack Installation Project	\$141,922.00	CBD	Design	25-Dec-15	22-Feb-16
Canal Blvd. Reconstruction (Robert E. Lee Blvd - Amethyst St.)	\$239,749.31	Lakeshore-LakeVista	Design	18-Feb-16	16-Feb-17
St. Charles Ave (Napoleon Ave. - Louisiana Ave)	\$545,000.00	Milan & Touro	Design	23-Mar-16	22-Mar-17
S. Galvez St. (Jackson Ave. - Toledano)	\$6,000,000.00	Central City	Planning	18-Jul-15	19-Apr-16
St. Claude Drainage Improvements (Montegut, Urqhart, Feliciana, Marias)	\$1,500,000.00	St. Claude	Planning	1-Aug-15	3-May-16
Youth Study Streets (Encampment, Senate, Cadillic, Milton St.)	\$1,350,000.00	St. Bernard Area	Planning	1-Aug-15	3-May-16



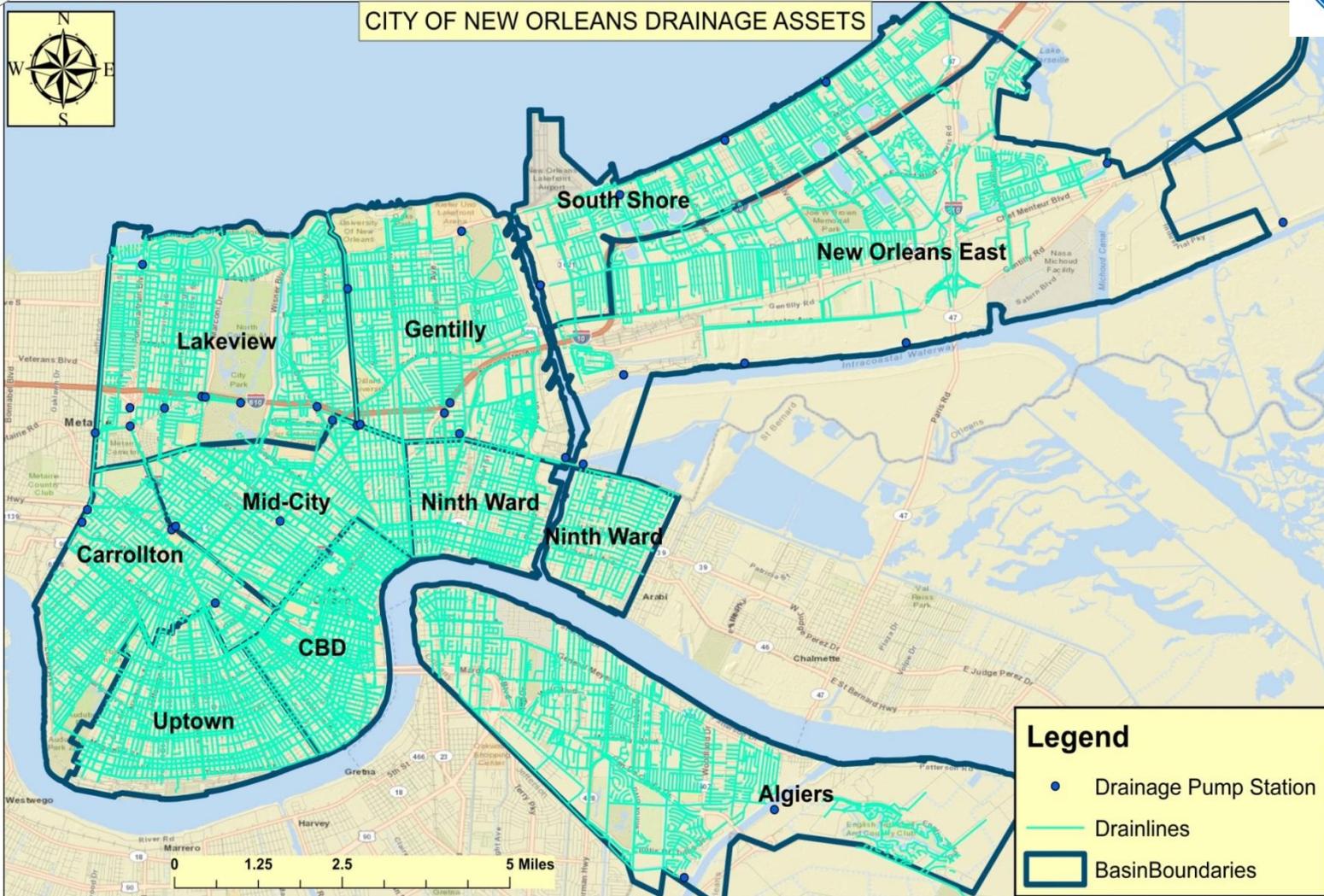
DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Old Poydras St. (S. Dorgenois - S. Galvez)	\$1,000,000.00	Tulane - Gravier	Planning	11-Aug-15	13-May-16
Jackson Ave. (S. Claiborne - Tchoupitoulas)	\$3,750,000.00	Central City, Lower Garden District, St. Thomas Dev	Planning	16-Aug-15	18-May-16
Lake Forest Ave. Traffic Improvements (Lake Forest at Bullard)	\$0.00	New Orleans East	Planning	9-Oct-15	22-Jan-16
St. Charles Ave: Streetscape Improvements Ph 1 (Calliope - S. Carrollton)	\$0.00	City Wide	Planning	21-Oct-15	17-Apr-16
Magnolia Converted Ped Bridge	\$844,400.00	Bayou St. John	Planning	22-Jan-16	6-May-16
Gardena Dr (St. Bernard Ave - Paris Ave.)	\$194,100.00	Filmore	Planning	12-Nov-17	25-Feb-18





The Drainage System

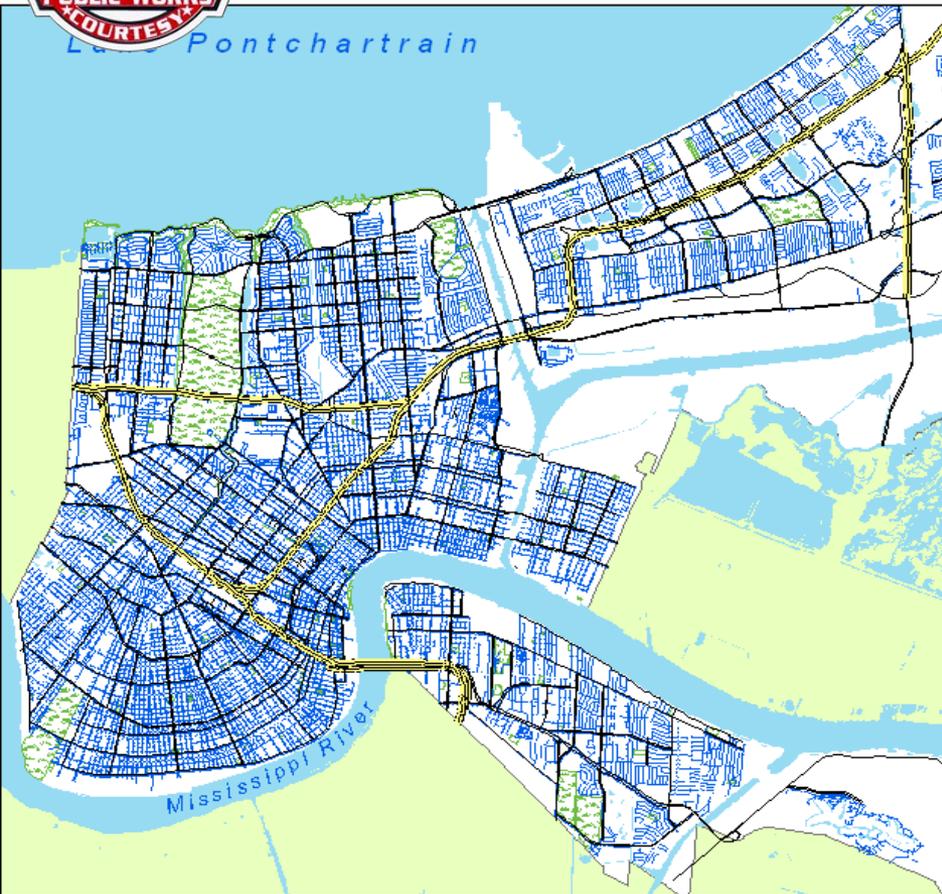


Drains a total of 123,190 acres (10 drainage basins).





The Drainage System(s)



Minor Drainage System

- Drain lines less than 36 inches in diameter
- Maintained by DPW

Major Drainage System

- Drain lines 36 inches or larger in diameter
- Maintained by the SWBNO

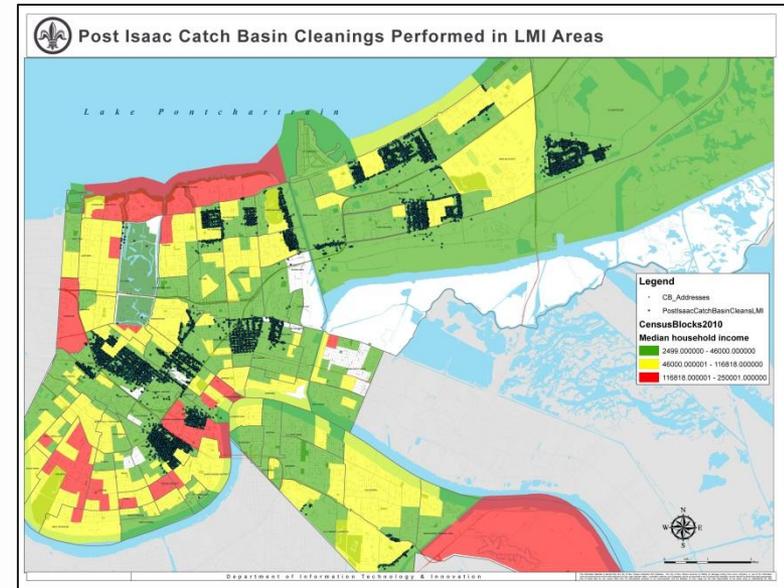




The Minor Drainage System



- 1,287 miles of small (less than 36 inches in diameter) drain lines, 65,000 catch basins, and 48,000 manholes.
- 60-80 year design life, depending on type of pipe.
- Surface drainage ditches in approx. 20% of the City.
- Almost a third of the drainage lines in the system are less than 15 inches in diameter (the current minimum size required for new projects involving drainage infrastructure).

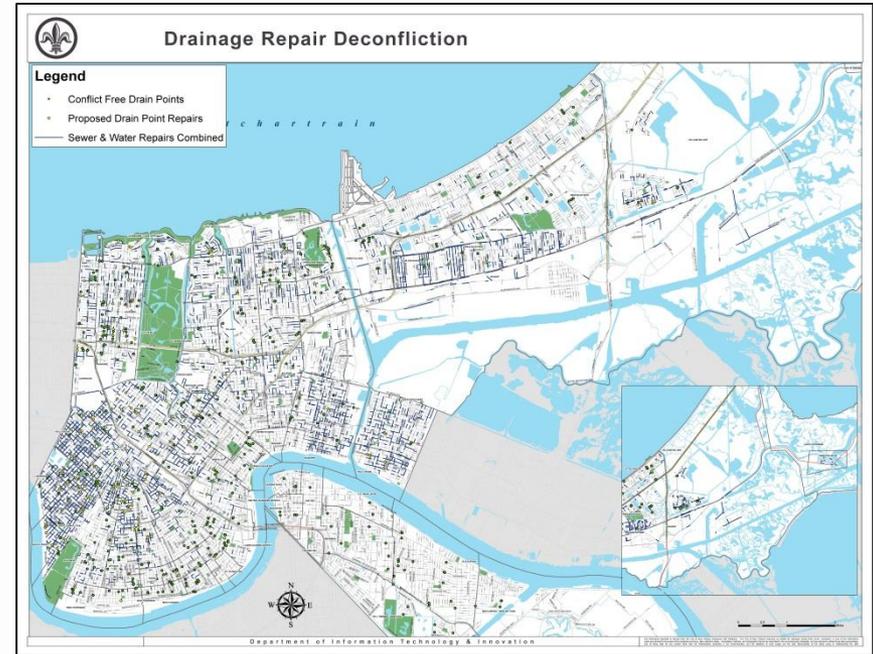




The Minor Drainage System



- Over 600 deferred drainage point repairs.
- Capacity to handle a 2-8 year rain event, depending on location.
- Would require a \$3.1B capital investment to upgrade the capacity of the entire system to handle a 10-year rain event.
- Currently working with FEMA to fund improvements via Recovery Roads





The Major Drainage System



- Over 1,200 miles of major drainage lines (36 inches and larger in diameter).
- Over 160 miles of covered canals and 100 miles of open canals (8-ft to 28-ft wide).
- Permanent pump stations on Lake Pontchartrain (when completed) and West Closure Complex (\$12-15M additional annual operating cost)





The Major Drainage System



- 60-80 year design life for pipes and covered canals.
- 24 major and 15 smaller pumping stations (119 pumps).
- Would require a \$1.6B capital investment to upgrade the capacity of the entire system to handle a 10-year rain event.



The Water Distribution System



- **Over 2,000 miles of water mains**

- Distributes 143.75 million gallons of drinking water per day to customers through over 143,000 service connections, ranging in size from 5/8 inches to 16 inches in diameter.
- Drinking water source: Mississippi River
- Water is treated at the Carrollton Water Purification Plant for East Bank customers and at the Algiers Water Purification Plant for West Bank customers.
- Over 17,000 fire hydrants for fire protection

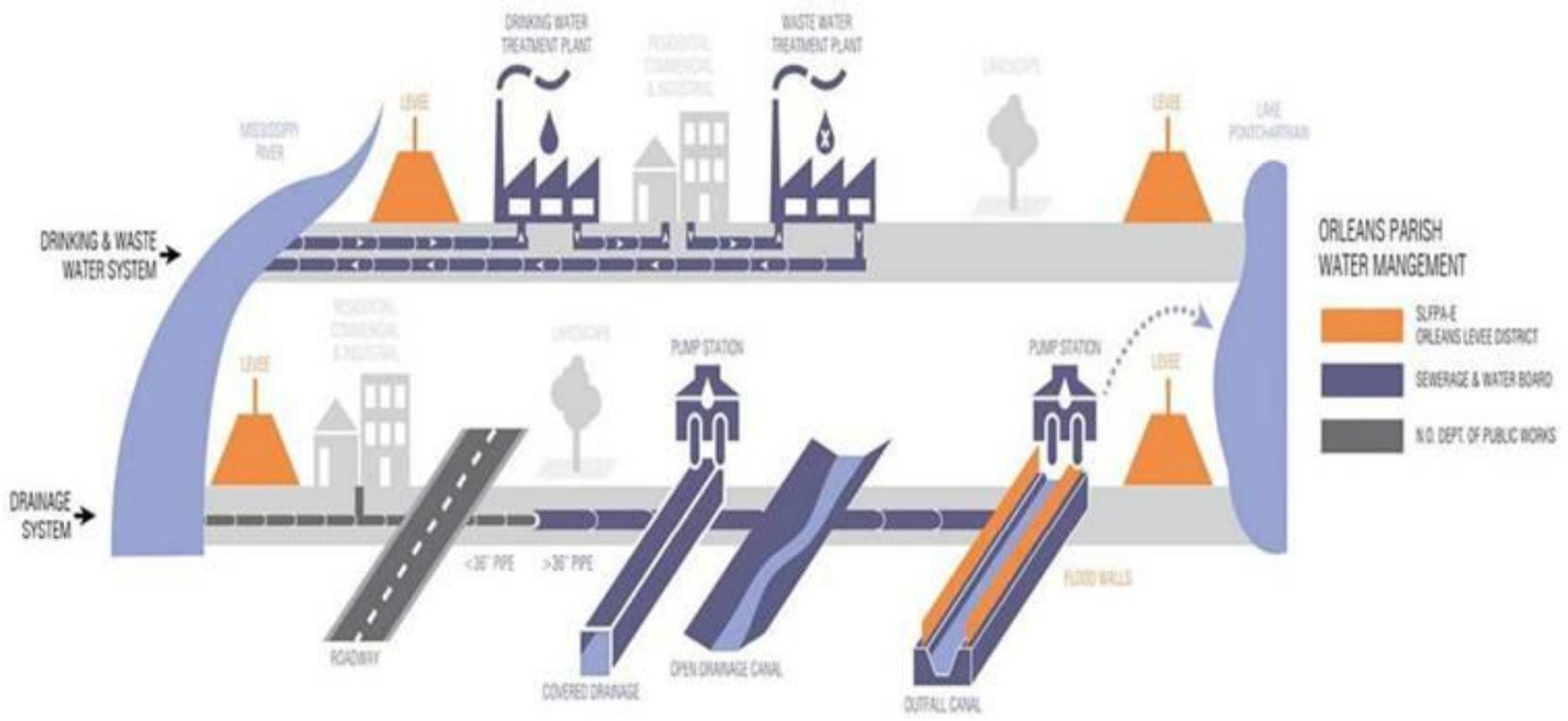
- **The standard design life of a water line is 60-80 years depending on the type of pipe.**



The Water Distribution System



Orleans Parish Water Management



The Sewer Collection System



- Over 1,300 miles of sewer collection lines, ranging in size from 8 inches to 84 inches in diameter
- Over 120 miles of sewer force mains ranging in size from 6 inches to 72 inches in diameter
- 86 sewer lift stations and two sewer treatment plants, with a combined capacity of 132 million gallons per day
- City is divided into 10 service basins.
- The standard design life of a sewer line is 60-80 years depending on type of pipe.
- Third Modified Consent Decree in effect.

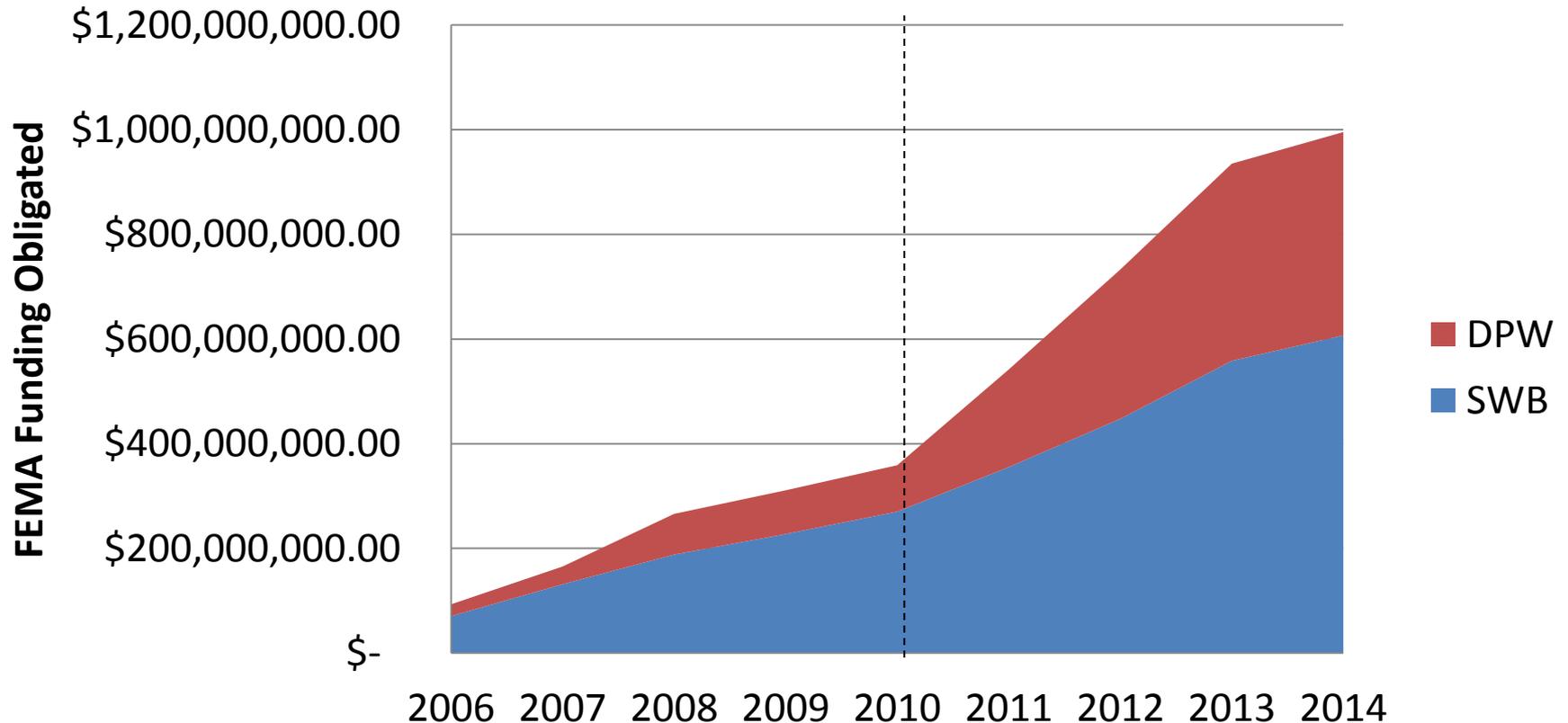


Transportation System – Capital Improvement Programs

- **Roadways (\$665M, 295 projects)**
 - Bond-funded capital improvement program
 - Submerged Roads/Paths to Progress program
 - Recovery Roads Program, Phase I & Phase II
- **Drainage System (\$1.7B total funding, with a \$425M SWB cost-share)**
 - 65% Federally funded Southeast Louisiana Urban Flood Control Project (SELA)
 - (8 miles of major drainage system)
 - Federally funded Storm Proofing program (Drainage Pump Stations & generators)
 - Federally funded Permanent Lakefront Gate Station Construction
- **Water System (\$150M)**
 - FEMA-funded Waterline Replacement program (combined with Recovery Roads Program, Phase II)
- **Sewer System (\$422M)**
 - Sewer System Evaluation and Rehabilitation Program (SSERP)
 - FEMA funded Emergency Sewer System Assessment (ESSA)



Total FEMA Funding Obligated 2006-2014



\$687M in funding obligated since May 2010

Total Federal Share Obligated 2006-2014:

- SWB \$606,924,959.94
- DPW \$337,619,475.64

Pending Obligations:

- SWB \$2,387,589.10
- DPW \$50,890,382.25

Total Other Federal Share Obligated for SWB Capital Program – Underground, Water, Sewer and Drainage

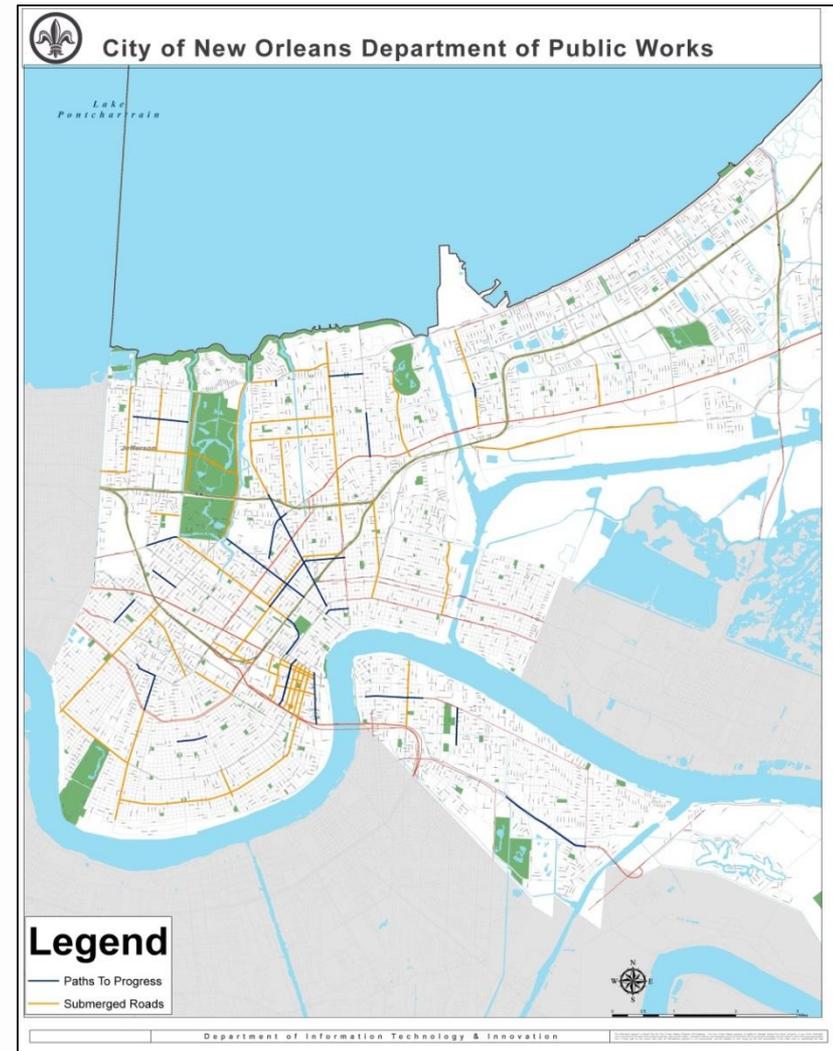
Drainage: (DPW, drainage line repairs greater than 35")	\$48,480,000
Sewer: (DPW, force mains, extensions, gravity lines)- excludes SSERP	\$126,850,000
Manholes:	\$xx,xxx,xxx
Water:	\$97,700,000
Total:	\$1,153,030,000

US Army Corps of Engineers (SELA) Federal funding:
Corps: **\$424,299,015**

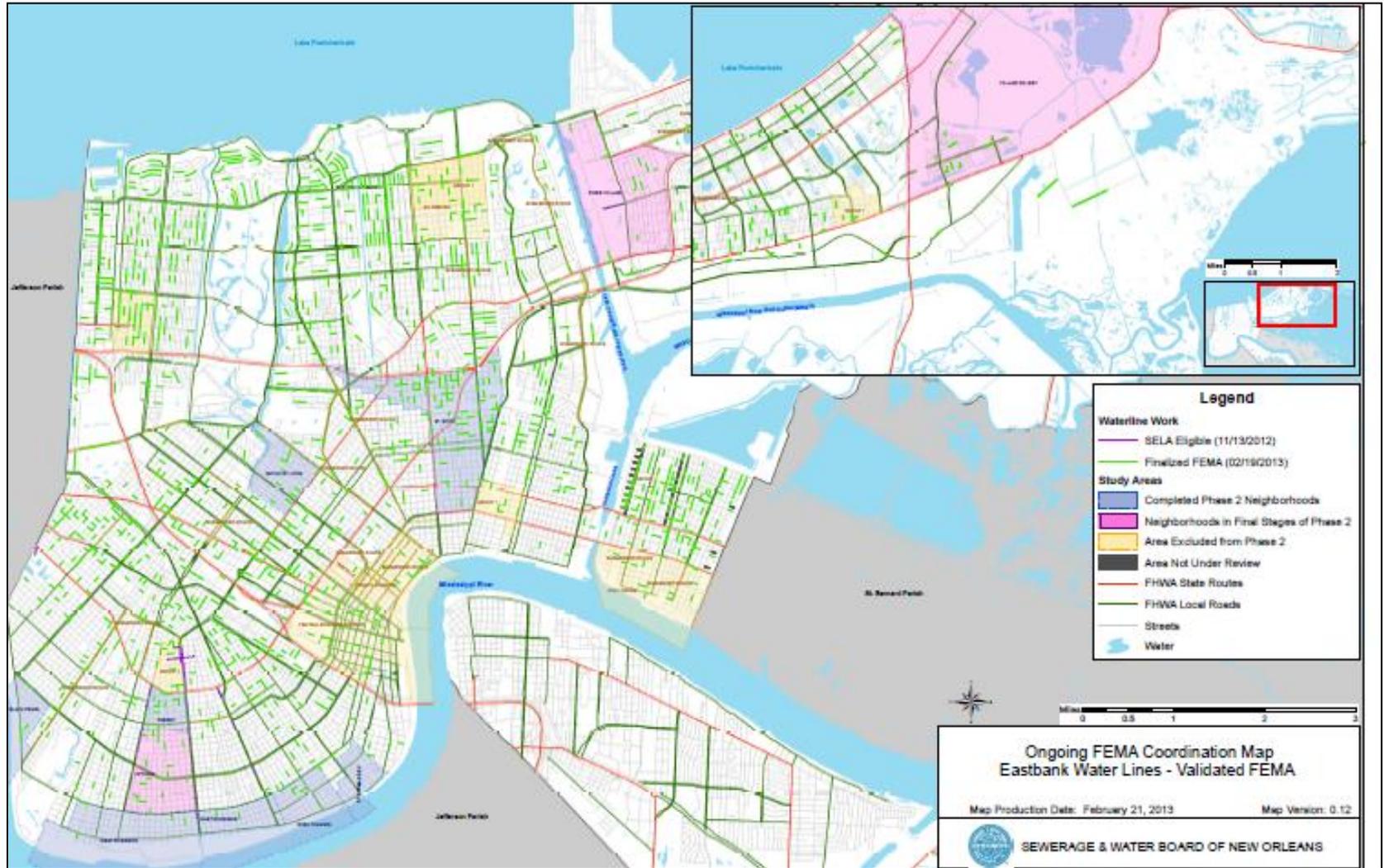
Corps fronting: **\$179,545,607** (similar to a bond repayment)
Total: **\$604,844,622**

Submerged Roads/Paths to Progress

- Funding \$100 M Federal Emergency Relief Funds
- 49.1 miles of roadway were completed under Submerged Roads Program
- 35.4 miles of roadway improvements at a cost of \$60M from July 2012 – March 2015 via Paths to Progress Program
- Primarily mill and overlay projects
- Projects in construction include:
 - Newton St. ((Whitney – Behrman)
 - General De Gaulle (Holiday – Woodland)
 - North Galvez (Orleans – Elysian Fields)



FEMA-Funded Water Line Repairs



SWB Sewer Line Repairs

- **Emergency Sewer System Assessment (ESSA)** is an effort by the SWBNO was intended to identify Katrina-related damages in portions of the sewer collection system served by each pump station. This effort is directly linked to the FEMA program and operated by the SWBNO. **(\$48M)**
- **Sewer System Evaluation and Rehabilitation Program (SSERP)** is a multi-year program by the SWBNO to identify and address structural and mechanical weaknesses in the wastewater collection system and to ensure that the system has adequate capacity. This program is mandated by federal regulations, coordination and integration is critical to the improvement of the collection systems to support the FEMA program. **(\$374M)**

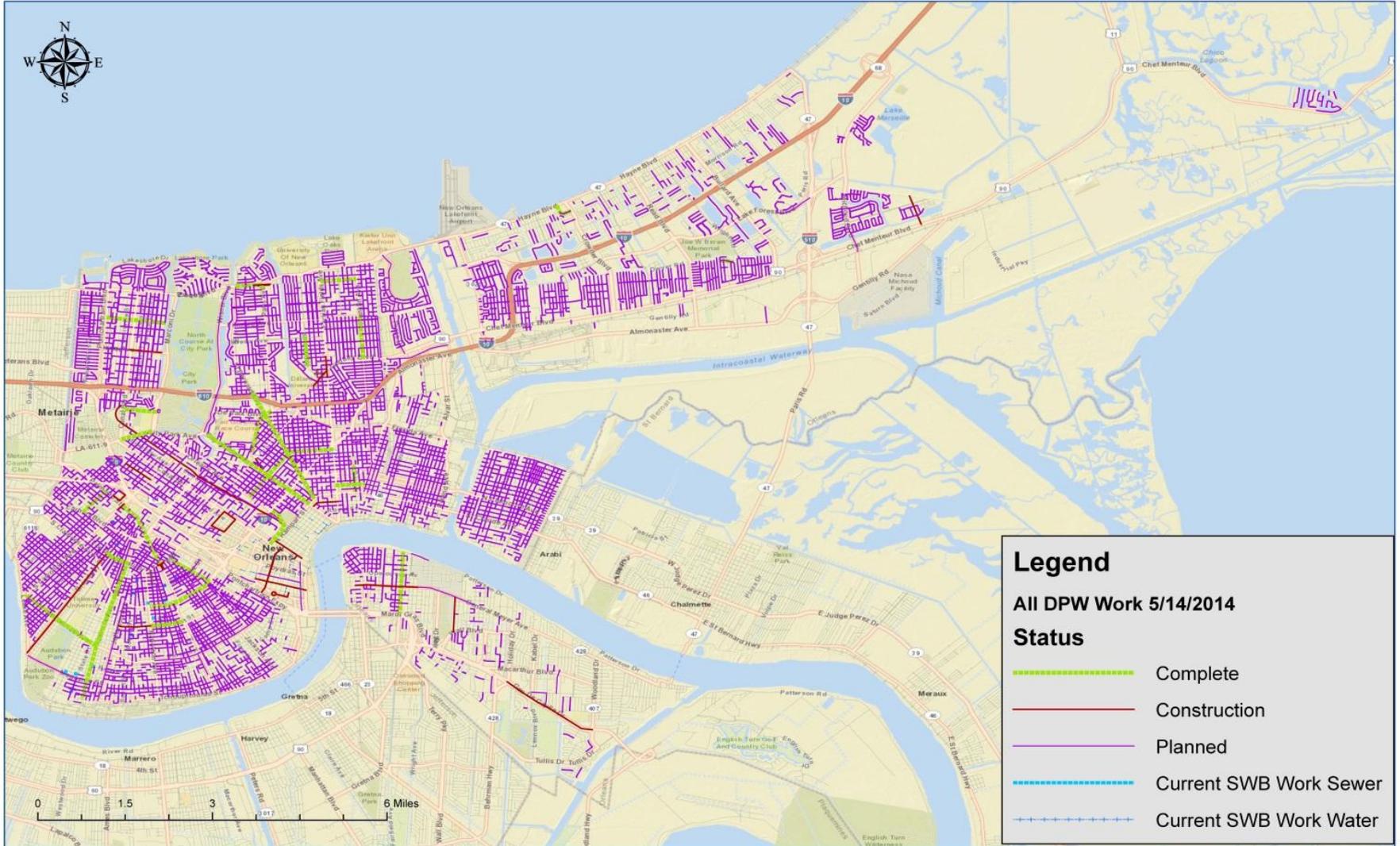


Roadway Infrastructure Work



CITY OF NEW ORLEANS

City Of New Orleans



Recovery Roads Program Overview

- This is part of a larger City-wide, multi-year infrastructure repair/recovery effort funded by FEMA.
- The intent of the Recovery Roads Program is to restore the roads and sidewalks in the City to their pre-Katrina condition.
- Only damage directly attributed to Hurricane Katrina as determined by FEMA on minor (non-federal) streets is eligible for repair under this program.
- This program will be managed on a neighborhood-by-neighborhood basis.
- Repairs could include full street reconstruction, repaving, and/or point repairs of streets and sidewalks.



Recovery Roads Program Overview

- Water and sewer line repairs will be performed before permanent paving repairs are completed whenever possible.
- DPW will be responsible for surveying and design of pavement repairs.
- SWB will be responsible for design of waterline and sewer repairs.
- Pavement, waterline, and sewer project designs will be combined and bid out in one package by DPW.
- Coordinated w/ SSERP, ESSA, Paths to Progress and other capital infrastructure improvements.



Recovery Roads Program Overview

- Total of 75 DPW projects for 35 neighborhoods with FEMA funding obligated.

Current Phase	# of Projects
Planning	2
Survey & Scoping	24
Pre-Lim Design	16
Final Design	26
Bid & Award	2
Construction	2
Complete	3



Recovery Roads

Types of Construction

Full Reconstruction *could* include:

- Sewer line replacement
- Water line replacement
- Gas line replacement
- Manhole adjustments
- Catch basin cover replacement
- Drainage repairs
- Sidewalk repairs
- Curb replacement
- Re-paving



Recovery Roads

Types of Construction

Full Reconstruction *could* include:

- Sewer line replacement
- Water line replacement
- Gas line replacement
- Manhole adjustments
- Catch basin cover replacement
- Drainage repairs
- Sidewalk repairs
- Curb replacement
- Re-paving



Recovery Roads

Types of Construction

Paving Only *could* include:

- Gas line replacement
- Manhole adjustments
- Catch basin cover replacement
- Sidewalk repairs
- Curb replacement
- Re-paving



Recovery Roads

Types of Construction

Waterline replacement

could include:

- Waterline replacement
- Manhole adjustments
- Catch basin cover replacement
- Re-paving

Image of a road
paved only half
way the width
here



Recovery Roads – Status

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Recovery Program - Lakeview - Vicksburg St. Demonstration	\$250,000.00	Lakeview	Complete	01-Oct-12 A	03-Dec-12 A
Recovery Program - St. Claude Quadrant 1- Feliciana St	\$182,436.25	St. Claude	Complete	04-Mar-13 A	23-May-13 A
Recovery Program - Lizardi St	\$947,491.60	Lower Ninth Ward	Complete	08-Apr-13 A	17-Jun-13 A
Recovery Program - Lower Ninth Ward Phase II (Deslonde and Flood)	\$4,794,701.22	Lower Ninth Ward	Complete	25-Mar-13 A	25-Mar-14 A
Recovery Program - Venetian Isles	\$1,411,809.52	Venetian Isles	Construction	07-Jul-14 A	19-Dec-14
Recovery Program - St. Claude Phase II Group 1	\$3,485,554.02	St. Claude	Construction	24-Feb-14 A	28-Nov-14
Recovery Program - Holy Cross - Part 1	\$2,996,842.44	Holy Cross	Bid & Award	13-Oct-14	10-Feb-15
Recovery Program - Holy Cross - Part 2	\$963,567.95	Holy Cross	Bid & Award	13-Oct-14	10-Feb-15
Recovery Program - Touro	\$756,976.46	Touro	Bid & Award	3-Nov-14	30-Jan-15
Recovery Program - St. Claude (Paving Only)	\$8,263,804.92	St. Claude	Design	19-Nov-14	19-Nov-15
Recovery Program - Lakeview (Pavement Only Quad 1)	\$2,702,851.65	Lakeview	Design	2-Dec-14	2-Dec-15
Recovery Program - Lower Ninth Ward (Pavement Only - Quad 2)	\$6,941,623.84	Lower Ninth Ward	Design	2-Dec-14	2-Dec-15



Recovery Roads – Status

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Recovery Program - Lakewood	\$3,392,692.24	Lakewood	Design	18-Dec-14	18-Dec-15
Recovery Program - Lower Ninth Ward (Pavement Only - Quad 3)	\$4,257,842.35	Lower Ninth Ward	Design	13-Jan-15	13-Jan-16
Recovery Program - Lake Vista	\$8,920,792.03	Lake Vista	Design	15-Jan-15	15-Jan-16
Recovery Program - Broadmoor	\$6,732,603.09	Broadmoor	Design	22-Jan-15	22-Jan-16
Recovery Program - City Park	\$802,606.31	City Park	Design	13-Feb-15	15-Feb-16
Recovery Program - St. Claude Quadrant 2	\$5,633,528.96	St. Claude	Design	16-Feb-15	16-Feb-16
Recovery Program - Lower Ninth Ward (Pavement Only - Quad 1)	\$1,824,789.58	Lower Ninth Ward	Design	17-Feb-15	17-Feb-16
Recovery Program - Milneburg	\$3,286,959.44	Milneburg	Design	2-Mar-15	29-Feb-16
Recovery Program - Treme - Lafitte	\$5,207,880.84	Treme - Lafitte	Design	5-Mar-15	4-Mar-16
Recovery Program - Florida Area/Florida Development	\$4,461,861.45	Florida Area/ Fischer Dev./ Florida Dev.	Design	9-Mar-15	8-Mar-16
Recovery Program - Little Woods	\$1,893,544.33	Little Woods	Design	19-Mar-15	18-Mar-16
Recovery Program - Pontchartrain Park	\$10,576,346.65	Pontchartrain Park	Design	19-Mar-15	18-Mar-16
Recovery Program - Marlyville- Fontainebleau	\$13,135,050.90	Marlyville & Fontainebleau	Design	27-Mar-15	28-Mar-16



Recovery Roads – Status

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Recovery Program - St. Anthony Quadrant 1	\$9,775,135.74	St. Anthony	Design	27-Mar-15	28-Mar-16
Recovery Program - Milan	\$2,173,479.85	Milan	Design	6-Apr-15	5-Apr-16
Recovery Program - Read Blvd East	\$14,608,649.81	Read Blvd East	Design	6-Apr-15	5-Apr-16
Recovery Program - Lower Garden District/CBD	\$1,315,523.82	Lower Garden District/ CBD	Design	9-Apr-15	8-Apr-16
Recovery Program - Bywater/Marigny	\$876,452.69	Marigny & Bywater Neighborhoods	Design	23-Apr-15	22-Apr-16
Recovery Program - Navarre	\$1,624,500.07	Navarre	Design	23-Apr-15	22-Apr-16
Recovery Program - St. Bernard	\$2,038,882.50	St. Bernard Area	Design	23-Apr-15	22-Apr-16
Recovery Program - West Lake Forest	\$713,470.97	West Lake Forest	Design	30-Apr-15	29-Apr-16
Recovery Program - Filmore Quadrant 2	\$3,291,318.35	Filmore	Design	7-May-15	6-May-16
Recovery Program - Lakeview Quadrant 1	\$14,699,415.46	Lakeview	Design	7-May-15	6-May-16
Recovery Program - Filmore Quadrant 1	\$12,885,267.88	Filmore	Design	21-May-15	20-May-16
Recovery Program - Lower Ninth Ward Quadrant 3	\$9,502,046.21	Lower Ninth Ward	Design	25-May-15	24-May-16
Recovery Program - West End	\$13,516,151.32	West End	Design	4-Jun-15	3-Jun-16



Recovery Roads – Status

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Recovery Program - Iberville/ Tulane Gravier	\$4,147,313.22	Tulane/Gravier/ Iberville	Design	11-Jun-15	10-Jun-16
Recovery Program - Lake Terrace & Oaks	\$6,433,561.03	Lake Terrace and Oaks	Design	17-Jul-15	18-Jul-16
Recovery Program - Mid City	\$9,212,149.46	Mid-City	Design	23-Jul-15	22-Jul-16
Recovery Program - St. Anthony Quadrant 2	\$8,182,137.47	St. Anthony	Design	6-Aug-15	5-Aug-16
Recovery Program - St. Roch	\$7,557,268.34	St. Roch	Design	28-Aug-15	29-Aug-16
Recovery Program - Lakeview Quadrant 2	\$4,051,528.30	Lakeview	Design	8-Sep-15	7-Sep-16
Recovery Program - Dillard	\$3,528,899.20	Dillard	Design	1-Oct-15	30-Sep-16
Recovery Program - Lower Ninth Ward Quadrant 1	\$10,488,630.78	Lower Ninth Ward	Design	8-Oct-15	7-Oct-16
Recovery Program - Lower Ninth Ward Quadrant 2	\$12,362,392.00	Lower Ninth Ward	Design	15-Oct-15	14-Oct-16
Recovery Program - Viavant / Lake Catherine	\$4,537,782.11	Viavant, Lake Catherine,	Design	16-Oct-15	17-Oct-16
Recovery Program - Lakeshore	\$6,031,207.99	Lakeshore	Design	2-Nov-15	1-Nov-16
Recovery Program - Gentilly Woods	\$3,455,390.44	Gentilly Woods	Design	12-Nov-15	11-Nov-16
Recovery Program - St. Claude Quadrant 1	\$2,708,760.58	St. Claude	Design	10-Dec-15	9-Dec-16



Recovery Roads – Status

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Recovery Program - Desire Area Development	\$3,403,558.64	Desire Area	Design	28-Jan-16	27-Jan-17
Recovery Program - Gentilly Terrace	\$14,946,092.36	Gentilly Terrace	Design	28-Jan-16	27-Jan-17
Recovery Program - Pines Village	\$3,894,656.12	Pines Village	Design	4-Feb-16	3-Feb-17
Recovery Program - Read Blvd West	\$7,065,118.55	Read Blvd West	Design	10-Mar-16	10-Mar-17
Recovery Program - Freret	\$1,607,052.38	Freret	Design	14-Apr-16	14-Apr-17
Recovery Program - Central City	\$9,951,917.04	Central City	Design	21-Apr-16	21-Apr-17
Recovery Program - Bayou St. John/Fairgrounds	\$4,453,235.57	Fairgrounds/ Bayou St. John	Design	9-May-16	8-May-17
Recovery Program - Seventh Ward	\$4,121,789.41	Seventh Ward	Design	12-May-16	12-May-17
Recovery Program - B.W. Cooper	\$4,652,028.60	B. W. Cooper	Design	13-Jun-16	12-Jun-17
Recovery Program - Dixon	\$3,533,495.98	Dixon	Design	16-Jun-16	16-Jun-17
Recovery Program - Gert Town	\$5,218,756.82	Gert Town	Design	16-Jun-16	16-Jun-17
Recovery Program - Hollygrove and Leonidas	\$14,247,678.18	Hollygrove and Leonidas	Design	14-Jul-16	14-Jul-17
Recovery Program - Plum Orchard	\$6,198,578.80	Plum Orchard	Design	4-Aug-16	4-Aug-17



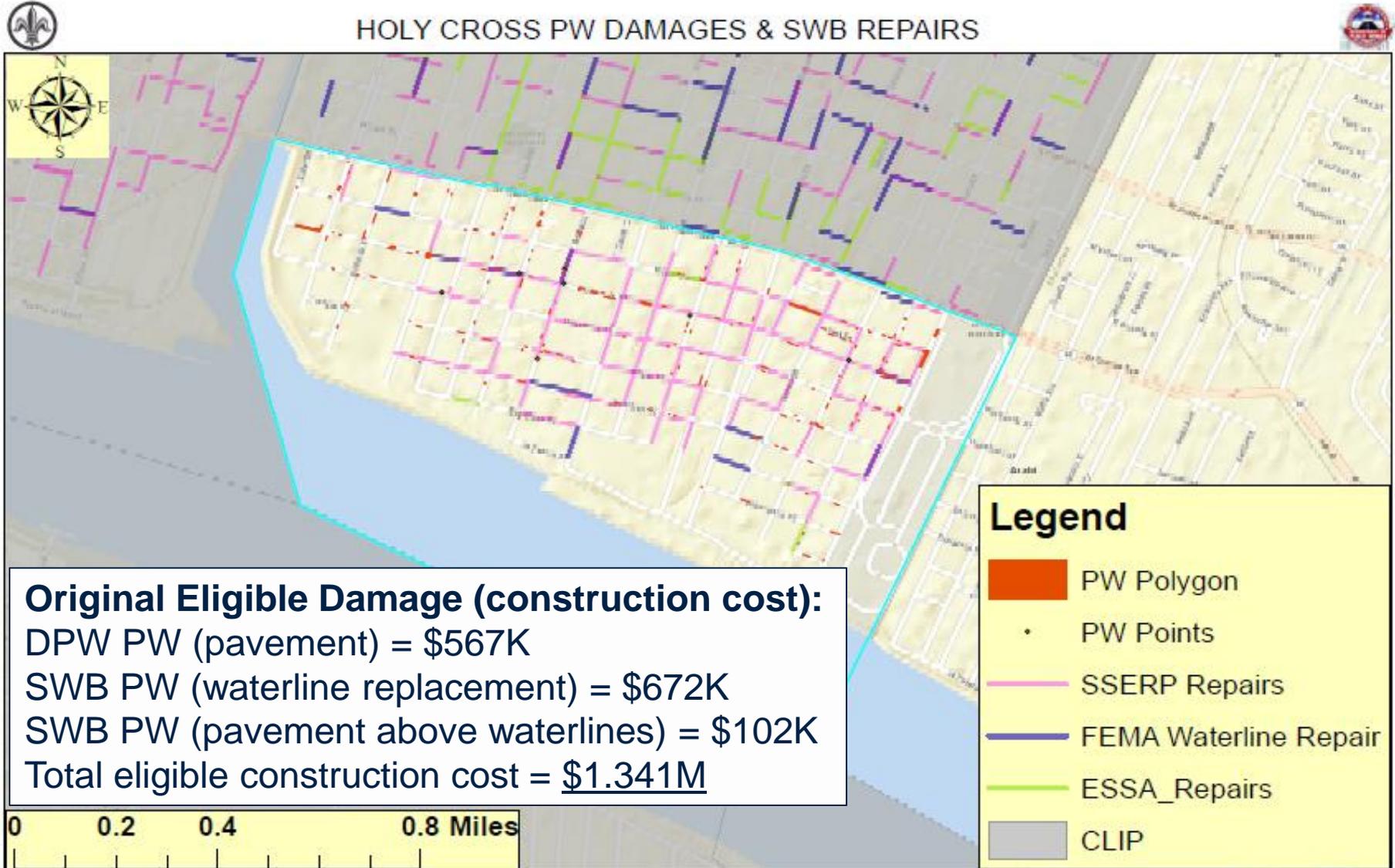
Recovery Roads – Status

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Recovery Program - East Riverside, Garden District, Irish Channel, St. Thomas Dev	\$9,114,704.34	East Riverside, Garden District, Irish Channel, St Thomas Dev	Design	18-Aug-16	18-Aug-17
Recovery Program - Village De L'Est	\$7,954,132.71	Village de Lest	Design	18-Aug-16	18-Aug-17
Recovery Program - Audubon	\$3,051,692.60	Audubon	Design	12-Sep-16	11-Sep-17
Recovery Program - Black Pearl	\$2,389,538.87	Black Pearl	Design	12-Sep-16	11-Sep-17
Recovery Program - East Carrollton	\$8,383,435.07	East Carrollton	Design	15-Sep-16	15-Sep-17
Recovery Program - Uptown	\$3,845,318.42	Uptown	Design	15-Sep-16	15-Sep-17
Recovery Program - West Riverside	\$975,818.27	West Riverside	Design	15-Sep-16	15-Sep-17
Recovery Program - Old Aurora, Tall Timbers-Brechtel, U.S. Naval Base	\$1,291,409.17	Old Aurora/Tall Timbers - Brechtel/U.S. Naval Base	Design	9-Mar-17	9-Mar-18
Recovery Program - Fisher Development	\$17,630.27	Fisher Development	Design	16-Mar-17	16-Mar-18
Recovery Program - Algiers Point, Behrman, McDonogh, Whitney	\$4,126,037.71	Algiers Point/McDonough/Behrman/Whitney	Design	11-May-17	11-May-18



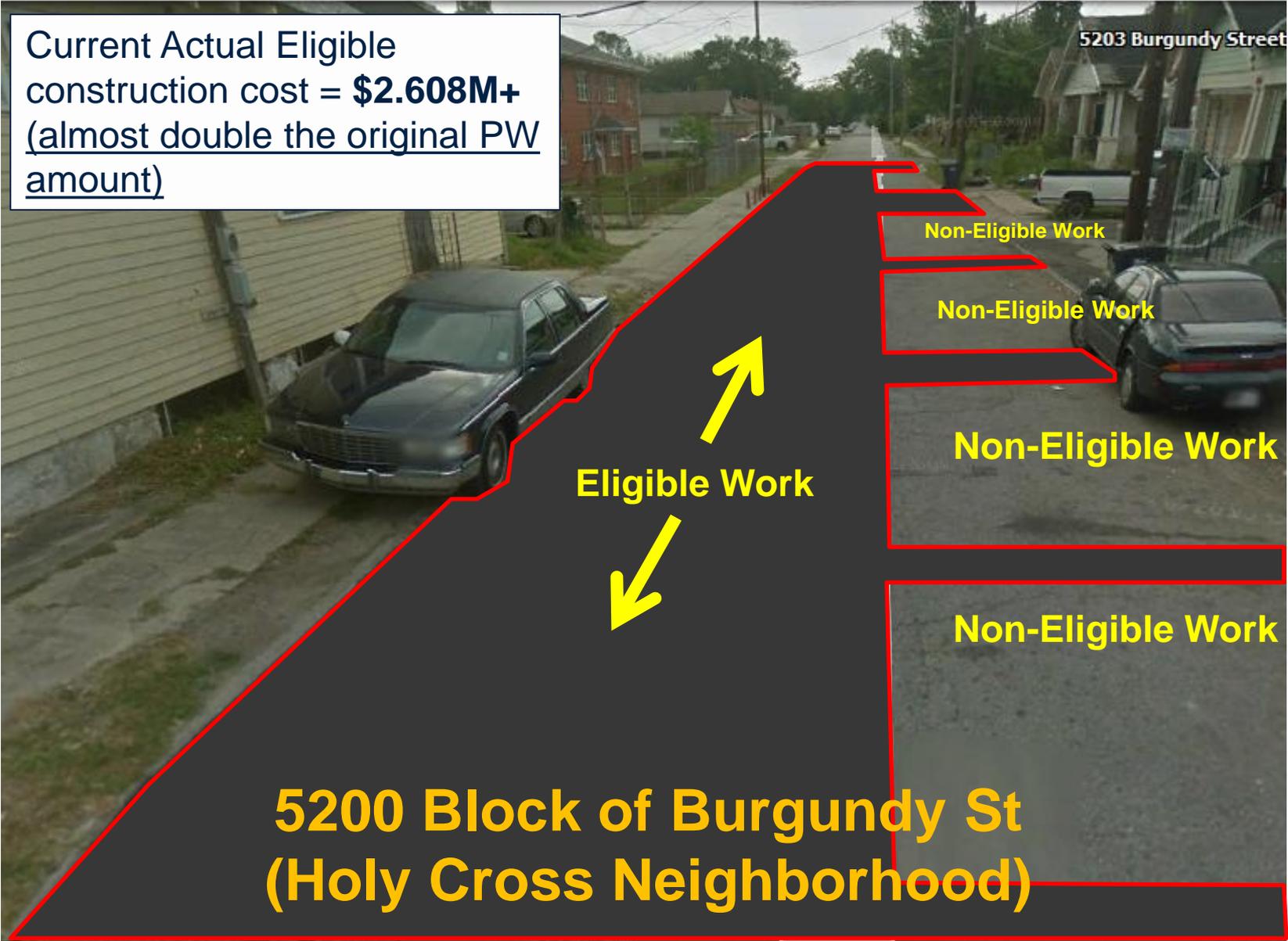
Holy Cross Neighborhood (Example)

HOLY CROSS PW DAMAGES & SWB REPAIRS



Holy Cross Neighborhood (Example)

Current Actual Eligible construction cost = **\$2.608M+**
(almost double the original PW amount)



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Catchbasin/Manhole Repair	\$6,690,207.00	City Wide	Complete	30-Jun-08 A	08-Aug-10 A
School Zone Flashing Beacons	\$1,796,356.00	City Wide	Complete	05-Aug-08 A	29-Nov-10 A
Patching Repairs - Lower Ninth Ward	\$2,174,266.00	Lower Ninth Ward	Complete	23-Mar-09 A	04-Feb-11 A
Patching Repairs - Lakeview	\$6,813,271.55	Lakeview	Complete	14-Apr-09 A	22-Jul-10 A
Magazine St. (St. Joseph St - Calliope St)	\$4,941,907.88	CBD	Complete	29-Jun-09 A	13-May-10 A
Patching Repairs - Read Blvd West	\$2,235,635.64	Read Blvd West	Complete	03-Aug-09 A	12-May-10 A
St. Charles Ave (Nashville Ave - S. Carrollton Ave)	\$3,035,595.00	Uptown	Complete	03-Aug-09 A	06-Oct-10 A
Patching Repairs - Lakewood	\$290,934.76	Lakewood	Complete	17-Aug-09 A	03-Jun-10 A
Patching Repairs - Milneburg	\$3,154,723.47	Milneburg	Complete	02-Oct-09 A	23-Jul-10 A
Reinventing the Crescent Infrastructure Imp. N Peters(St Philip-St Ferdinand)Chartres(Piety-Gallier)	\$816,507.91	Marigny & Bywater	Complete	19-Oct-09 A	03-Jun-10 A
Patching Repairs - West End	\$1,789,465.06	West End	Complete	26-Oct-09 A	10-Dec-10 A
Patching Repairs - Uptown & West Riverside	\$727,106.35	Uptown & West Riverside	Complete	02-Nov-09 A	06-May-10 A
Robert E. Lee (Paris to Pratt)	\$3,168,364.33	Filmore	Complete	02-Nov-09 A	05-May-10 A
Camp St. (Canal - US 90)	\$1,274,264.00	CBD	Complete	03-Nov-09 A	04-Dec-10 A



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Carondelet St. (Canal St - US 90)	\$941,878.00	CBD	Complete	03-Nov-09 A	04-Dec-10 A
Common St. (Loyola Ave - S. Peters St)	\$1,236,691.00	CBD	Complete	03-Nov-09 A	04-Dec-10 A
Girod St. (Loyola Ave - S. Peters St)	\$870,959.00	CBD	Complete	03-Nov-09 A	04-Dec-10 A
Gravier St. (Loyola Ave - S. Peters St)	\$585,378.00	CBD	Complete	03-Nov-09 A	04-Dec-10 A
LaSalle St (Poydras - Tulane Ave US 61)	\$741,349.00	Uptown	Complete	03-Nov-09 A	04-Dec-10 A
Loyola Ave. (Canal St. - US 90)	\$3,584,538.00	CBD	Complete	03-Nov-09 A	04-Dec-10 A
Magazine St. (Canal - US 90)	\$1,104,237.00	CBD	Complete	03-Nov-09 A	25-Aug-10 A
Poydras St (Carondelet St - Camp St)	\$129,243.00	CBD	Complete	03-Nov-09 A	25-Aug-10 A
Poydras St (LaSalle St - Loyola Ave)	\$106,042.00	CBD	Complete	03-Nov-09 A	25-Aug-10 A
St. Charles Ave. (Canal St - US 90)	\$958,678.00	CBD	Complete	03-Nov-09 A	10-Dec-11 A
Nashville Ave (Claiborne US 90 - Magazine St) (Magazine St - Tchoupitoulas St)	\$5,429,536.00	Uptown	Complete	09-Nov-09 A	16-Dec-10 A
Elysian Fields (Lakeshore Dr. - Gentilly Blvd. / US 90)	\$1,597,583.00	Gentilly	Complete	20-Nov-09 A	12-Apr-12 A
Filmore Ave (Bayou St. John - Elysian Fields Ave)	\$2,743,221.00	Filmore	Complete	20-Nov-09 A	31-May-11 A
Leon C. Simon Dr (London Canal - Elysian Fields Ave)	\$1,208,379.00	Lake Terrace and Oaks	Complete	20-Nov-09 A	18-Apr-11 A



DPW – Capital Improvement Projects

Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Mirabeau Ave (Bayou St. John - Elysian Fields Ave)	\$2,950,864.00	Filmore	Complete	20-Nov-09 A	02-May-11 A
Paris Ave. (I-610 - Mirabeau Ave)	\$742,125.00	St. Bernard	Complete	20-Nov-09 A	16-Apr-12 A
St. Bernard Ave. (I-610 - Filmore Ave.)	\$3,228,389.00	St. Bernard	Complete	20-Nov-09 A	02-May-11 A
Earhart Blvd Segment I (Hamilton St - Fern St)	\$17,091,601.40	Gert Town	Complete	30-Nov-09 A	10-Oct-11 A
Patching Repairs - Treme - Lafitte	\$2,318,252.27	Treme - Lafitte	Complete	01-Dec-09 A	17-May-10 A
Marconi Blvd. (Robert E. Lee - Norfolk Southern Railroad) Bikeways	\$24,750.00	City Park	Complete	08-Dec-09 A	16-Jun-10 A
Park Island Bridge over Bayou St. John	\$88,766.15	Filmore	Complete	08-Dec-09 A	01-Jun-11 A
Press Dr(US 90 - Robert E Lee Blvd) Bikeway	\$20,400.00	Gentilly Woods	Complete	08-Dec-09 A	16-Jun-10 A
Fleur de Lis Phase II (Veterans Blvd - Harrison Ave)	\$15,736,194.41	West End	Complete	10-Dec-09 A	04-Mar-11 A
Claiborne Avenue Streetscape (Cleveland St. - Gravier St.)	\$2,371,700.00	CBD	Complete	04-Jan-10 A	17-Sep-10 A
Miro St (Elysian Fields Ave - Orleans Ave)	\$978,426.00	Mid-City	Complete	04-Jan-10 A	16-Jun-11 A
N. Galvez (Orleans Ave. - Poydras)	\$3,309,167.00	Mid-City	Complete	04-Jan-10 A	16-Jun-11 A
Navarre Ave. (Canal Blvd. - Marconi Dr)	\$808,592.00	Lakeview	Complete	04-Jan-10 A	16-Nov-10 A
Orleans Ave. (N. Claiborne Ave - City Park Ave.)	\$4,437,504.00	Mid-City	Complete	04-Jan-10 A	01-Oct-11 A



DPW – Capital Improvement Projects

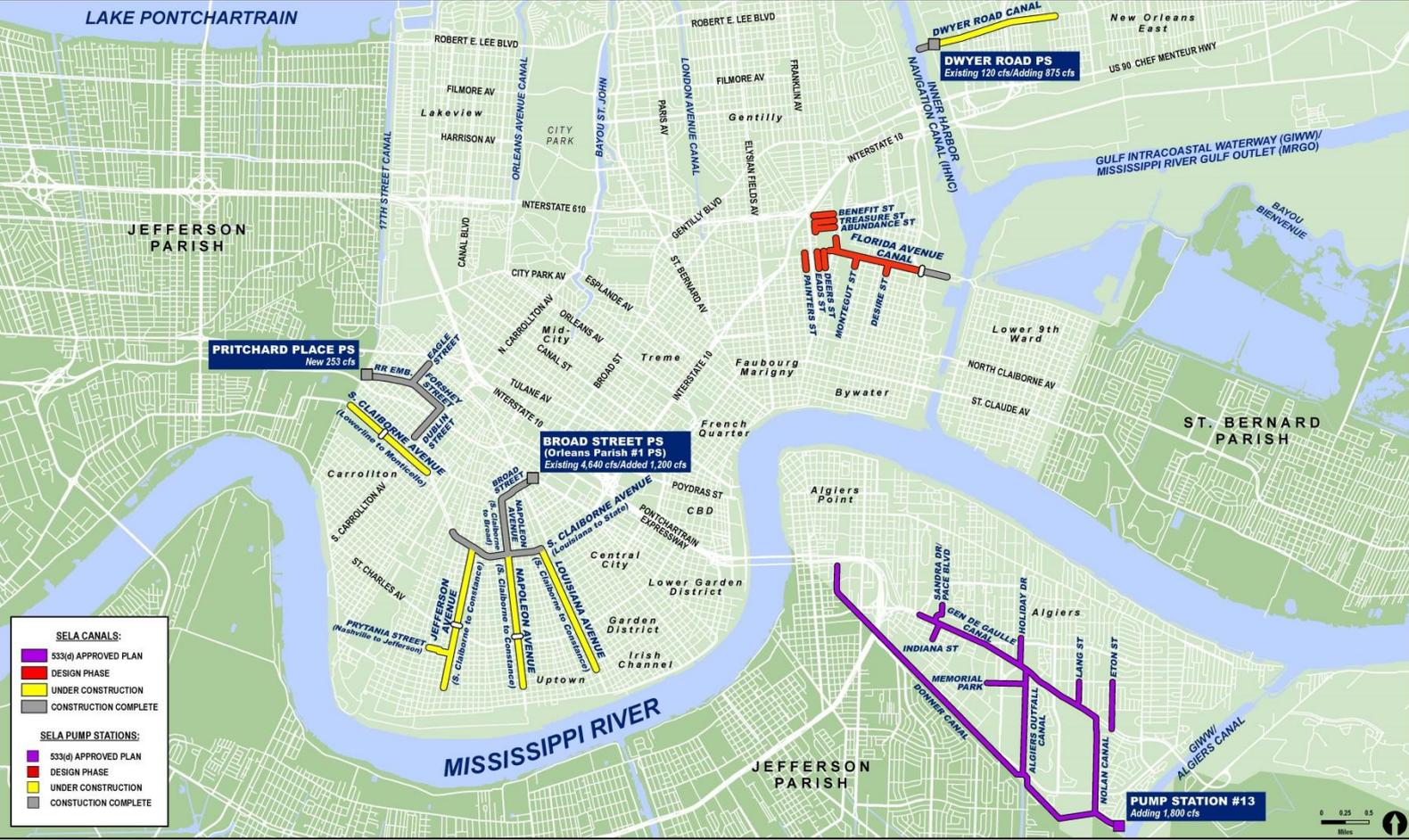
Project Name	Total Funding	Neighborhood	Current Phase	NTP	Const Comp
Carrollton Ave (St. Charles - Claiborne US 90)	\$3,439,548.00	Mid-City	Complete	11-Jan-10 A	14-Jul-10 A
Carrollton Ave (South) (I-10 - Claiborne US 90)	\$3,520,481.00	Mid-City	Complete	11-Jan-10 A	14-Jul-10 A
Holy Cross Roadway Improvements - Douglass St., Andry St., N. Peters St.	\$1,560,778.83	Lower Ninth Ward	Complete	11-Jan-10 A	12-Oct-10 A
St. Roch and St. Claude Roadway Improvements (St. Claude Ave. - N. Roman St.)	\$787,341.80	St. Roch	Complete	11-Jan-10 A	01-Nov-10 A
Patching Repairs - Filmore	\$1,933,364.98	Filmore	Complete	15-Feb-10 A	03-Aug-10 A
Drain Point Repair Services	\$10,321,870.85	City Wide	Complete	22-Feb-10 A	01-Oct-11 A
Galvez (Poydras - Orleans Ave.)	\$749,628.00	Mid-City	Complete	27-Feb-10 A	30-Jun-11 A
Patching Repairs - Lakeshore - Lake Vista	\$820,539.58	Lakeshore-Lake Vista	Complete	15-Mar-10 A	27-Aug-10 A
Catina (Mouton - Robert E Lee), Louisville (Filmore - Robert E Lee)	\$5,886,402.24	Lakeview	Complete	22-Mar-10 A	10-Jan-11 A
Patching Repairs - Milan & Touro	\$634,253.01	Milan & Touro	Complete	05-Apr-10 A	15-Jul-10 A
Harrison Ave Bridge over Bayou St. John (Eastbound)	\$35,000.00	City Park	Complete	06-Apr-10 A	03-Oct-11 A
Harrison Ave Bridge over Bayou St. John (Westbound)	\$0.00	City Park	Complete	06-Apr-10 A	03-Oct-11 A
Patching Repairs - Pines Village	\$988,139.95	Pines Village	Complete	26-Apr-10 A	20-Jul-10 A
VA. Medical Ctr Improvements (Canal, S Claiborne, Tulane, & S Rocheblave)	\$12,111,051.64	CBD	Complete	06-May-10 A	11-Oct-11 A



Southeast Louisiana Urban Flood Damage Reduction Project



U.S. Army Corps of Engineers, New Orleans District
 Southeast Louisiana Urban Flood Control Program (SELA)
ORLEANS PARISH MAP 1 OF 1: MARCH 2014 PROJECTS AND STATUS



Planning for Future Transportation System Needs

One block of a typical roadway costs:

- \$450,000 to **fully reconstruct**

(this includes replacing all underground utilities, and repaving the roadway)

- \$150,000 to **re-pave** the roadway in asphalt

- \$1,500 to **maintain** on an annual basis over the design life of the street

(this includes filling potholes, point repairs to pavement, and managing the drainage system)



Planning for Future Transportation System Needs (Cont.)

In order to fix all of the streets in New Orleans and maintain them in Fair or better condition, to include...

- Re-paving each street at the end of its design life (once every 25 years);
- Reconstructing each street once its underground utilities reach the end of their design life (once every 75 years); and
- Performing routine maintenance on each street to repair potholes, repair water leaks, sewer leaks, and damaged drain lines and catch basins, and clean catch basins once every 3 years.

...It would cost approx. \$350,000,000 per year.



Prioritization

Round Table Discussion

When the Pavement Assessment is completed, in spring 2015, each city block will be identified with a Riding Comfort Index score.

Considering:

- It is likely that multiple streets will receive the same or similar rankings.
- The DPW budget may only increase incrementally

What factors should the City consider in prioritizing what infrastructure work should occur first?



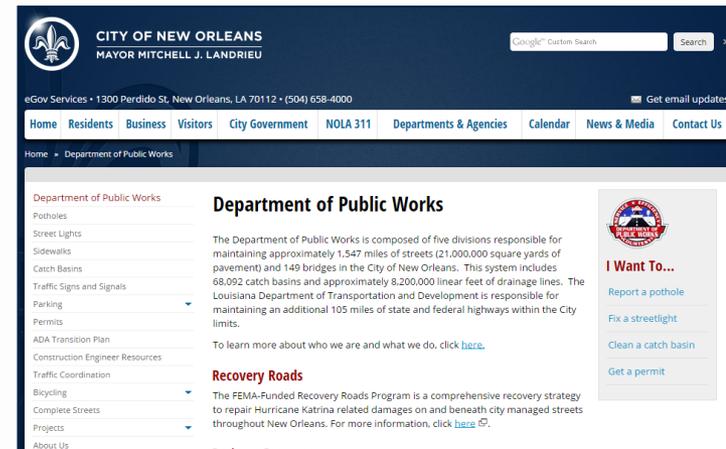
Feedback Session



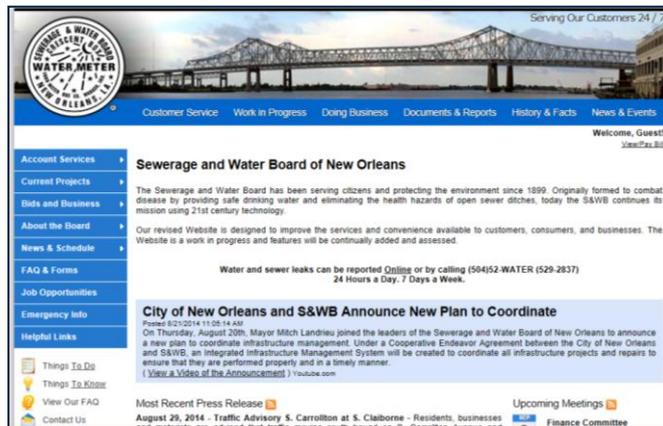
Resources



RecoveryRoads.nola.gov



www.nola.gov/dpw



www.swbno.org



www.mvn.usace.army.mil

Coming soon, a combined City and SWB coordination map



Back Up Slides



Property Taxes explained



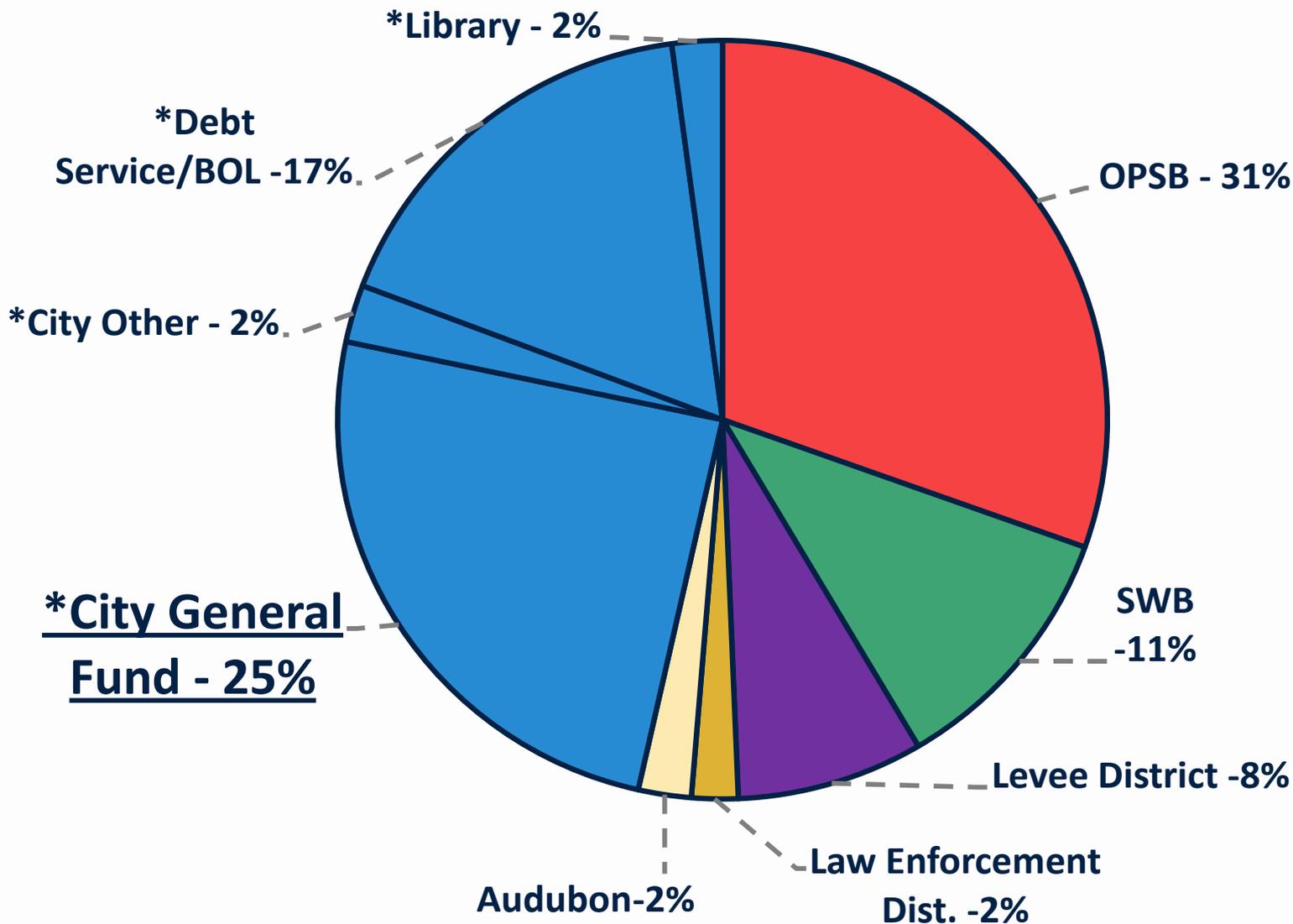
Property Taxes explained

Property taxes are levied by what is known as a millage rate. One mill is one-tenth of one percent or .001.

There are multiple public authorities that receive a portion of property taxes collected in Orleans Parish, the City of New Orleans is one of those entities.

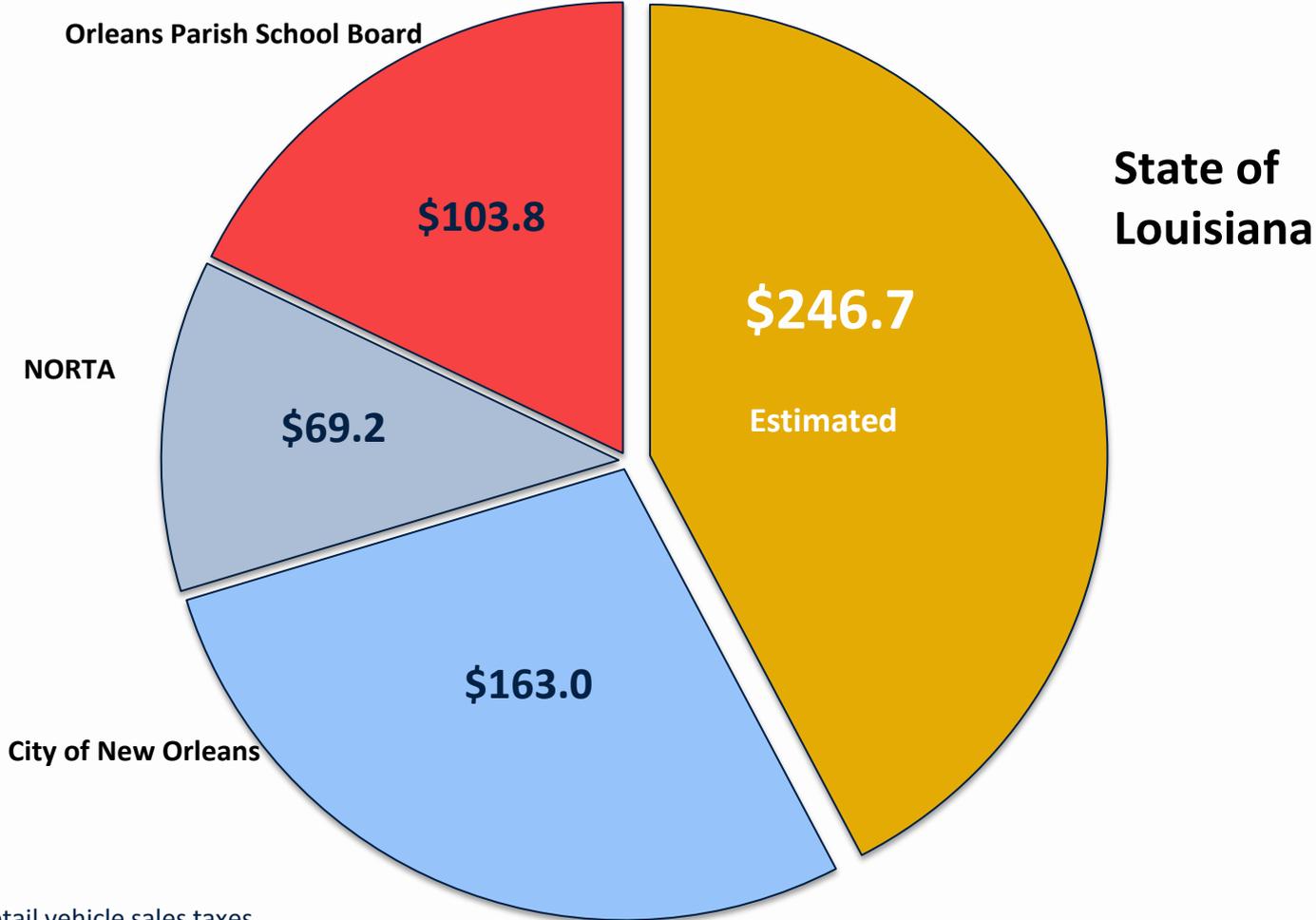


City of New Orleans Property Tax Mill Allocation by Recipient – 2014 (East Bank)



* The City's Primary Government allocation is 46% of the total tax rate of 148.77 mills in the East Bank (2014). The 46% includes the General Fund, BOL allocation, the Library and City Other.

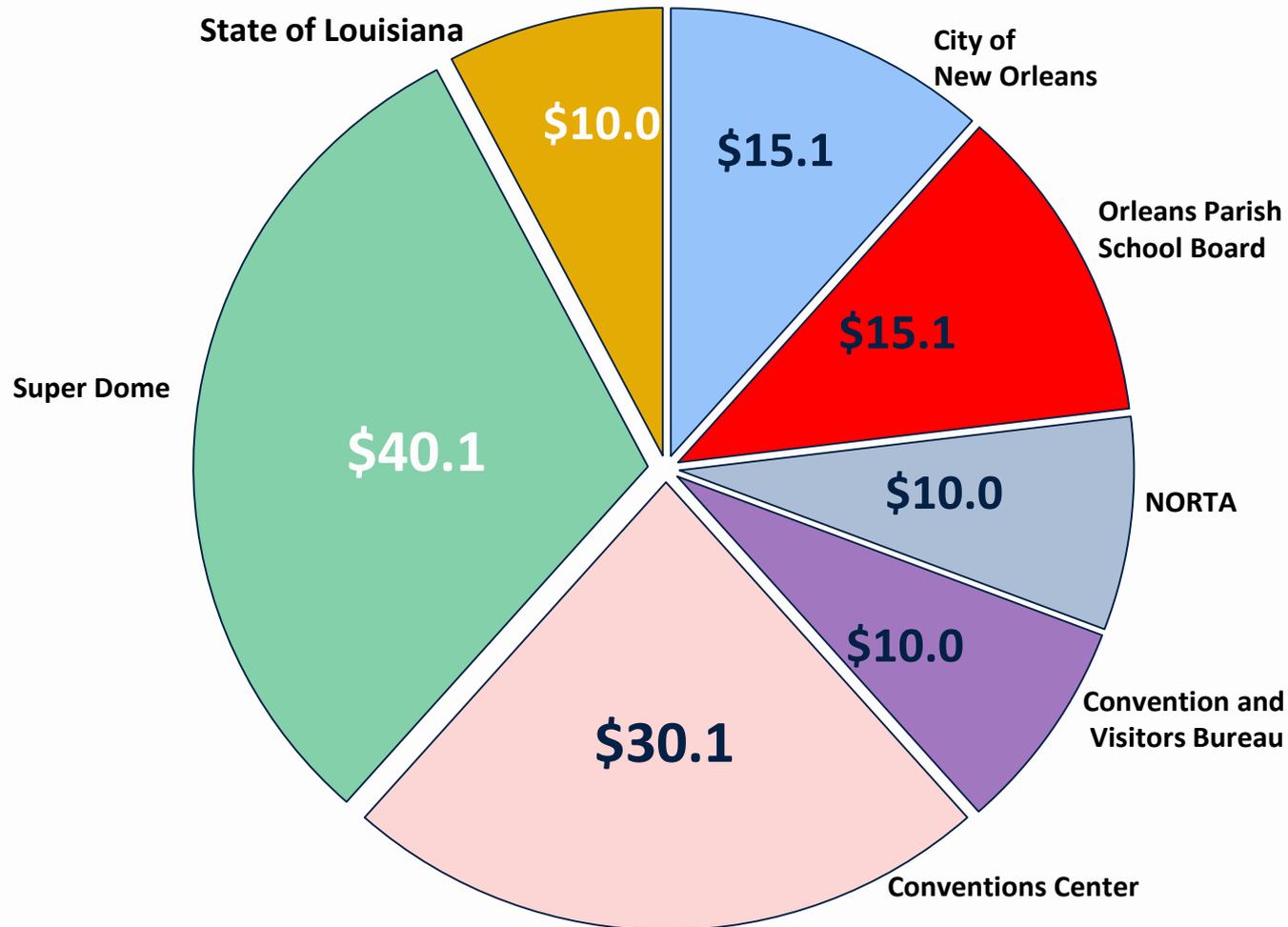
2012 Sales Tax Distribution for Economic Activity in Orleans Parish



Note: Includes Retail vehicle sales taxes and Hotel Motel



2012 Hotel Sales Tax Distribution for Economic Activity in Orleans Parish



What does that mean to you?



House Value	Homestead Exemption	Property tax 2014	Approximately Property tax with \$350M increase
100 K	Yes	\$450	\$753
200 K	Yes	\$1938	\$3452
300 K	Yes	\$3426	\$6150
400 K	Yes	\$4914	\$8849



Pavement Lien Program

- Special taxing districts may be created for the purpose of funding infrastructure improvements.

Average Lot size	Reconstruct	Repave
60 feet front footage	\$750 per foot	\$250 per foot
10 house both sides	\$45,000 per owner	\$15,000 per owner
In 1 block		
	*450 K/block	*150 K/block
* Block	Includes all utilities And restores street	Restores street surface



Recap

	Roads	Drainage	Water	Sewer	Total
Infrastructure investment spent since Katrina	\$300M	\$700K	\$20M	\$100M	\$1.12B
Programmed infrastructure work	\$350M	\$1.0B	\$125M	\$150M	\$1.625B
Estimated remaining work	\$3B (\$350M more each year)	\$4.6B + \$120M each year to maintain current system	\$1B + \$40M more each year	\$1B + \$40M more each year	\$9.3B
Goal	All roads fixed and maintained in Fair or better condition	System capable of handling 10-yr rain event	System capable of meeting customer demands with 5% or less in leakage	All consent decree requirements met and system capable of meeting customer demands	



Transportation System – Path Forward

- 1. Coordinate and leverage ongoing SWBNO and DPW programs to maximize the amount of work completed and avoid duplication of effort.**
- 2. Continue to work with FEMA to identify eligible minor drainage system work and a more technically sound solution to roadway paving.**
- 3. Implement innovative storm water management practices through green/sustainable infrastructure solutions and policies.**
- 4. Improve current infrastructure maintenance by better coordination between SWBNO and DPW and new policies and procedures.**
- 5. Look for additional opportunities to increase funding for infrastructure maintenance and capital improvements.**

